



Digitized by the Internet Archive
in 2011 with funding from
LYRASIS Members and Sloan Foundation

<http://www.archive.org/details/lebanonvalley197172leba>

LEBANON VALLEY COLLEGE

bulletin

Lebanon Valley College Bulletin. Published quarterly by Lebanon Valley College, Laughlin Hall, Annville, Pennsylvania 17003

Volume IV, Number 4,
Winter, 1970

The College reserves the right to change any provisions or requirements at any time within the student's term of residence.

Second class postage paid
at Annville, Pennsylvania 17003

CALENDAR 1970

JANUARY							FEBRUARY							MARCH							APRIL							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
			1	2	3		1	2	3	4	5	6	7	1	2	3	4	5	6	7		1	2	3	4			
4	5	6	7	8	9	10	8	9	10	11	12	13	14	8	9	10	11	12	13	14	5	6	7	8	9	10	11	
11	12	13	14	15	16	17	15	16	17	18	19	20	21	15	16	17	18	19	20	21	12	13	14	15	16	17	18	
18	19	20	21	22	23	24	22	23	24	25	26	27	28	22	23	24	25	26	27	28	19	20	21	22	23	24	25	
25	26	27	28	29	30	31	29	30	31					29	30	31					26	27	28	29	30			
MAY							JUNE							JULY							AUGUST							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
		1	2				1	2	3	4	5	6		1	2	3	4			1				1				
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8	
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15	
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22	
24	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31		23	24	25	26	27	28	29	
31														30	31						30	31						
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
		1	2	3	4	5		1	2	3				1	2	3	4	5	6	7		1	2	3	4	5		
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12	
13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19	
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26	
27	28	29	30				25	26	27	28	29	30	31	29	30	31					27	28	29	30	31			

CALENDAR 1971

JANUARY							FEBRUARY							MARCH							APRIL							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
		1	2				1	2	3	4	5	6		1	2	3	4	5	6	7		1	2	3	4	5		
3	4	5	6	7	8	9	7	8	9	10	11	12	13	7	8	9	10	11	12	13	4	5	6	7	8	9	10	
10	11	12	13	14	15	16	14	15	16	17	18	19	20	14	15	16	17	18	19	20	11	12	13	14	15	16	17	
17	18	19	20	21	22	23	21	22	23	24	25	26	27	21	22	23	24	25	26	27	18	19	20	21	22	23	24	
24	25	26	27	28	29	30	28	29	30					28	29	30	31				25	26	27	28	29	30	31	
31																												
MAY							JUNE							JULY							AUGUST							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
		1					1	2	3	4	5			1	2	3	4	5	6	7		1	2	3	4	5	6	7
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14	
9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21	
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28	
23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31	29	30	31					
30	31																											
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
		1	2	3	4		1	2						1	2	3	4	5	6			1	2	3	4	5		
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11	
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18	
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25	
26	27	28	29	30			24	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31		
31																												

COLLEGE CALENDAR 1970/1971

1970

First Semester

Sept.	10, 11	Thursday, Friday	Faculty Retreat
	12	Saturday	Board of Trustees Retreat
	14-16	Monday through Wednesday	Orientation for new students
	15, 16	Tuesday, Wednesday	Registration
	17	Thursday, 8:00 a.m.	Classes begin
	17	Thursday, 11:00 a.m.	Opening College Convocation
Oct.	6	Tuesday, 11:00 a.m.	Religion and Life Lecture
	27, 28	Tuesday, Wednesday	Balmer Showers Lectureship
	31	Saturday	Homecoming Day
Nov.	7	Saturday	Board of Trustees meeting
	11	Wednesday	Mid-semester grades due
	25	Wednesday, 1:00 p.m.	Thanksgiving vacation begins
	30	Monday, 8:00 a.m.	Classes resume
Dec.	2-9	Wednesday through Wednesday	Pre-registration for 2nd semester
	18	Friday, 5:00 p.m.	Christmas vacation begins

1971

Jan.	4	Monday, 8:00 a.m.	Classes resume
	15	Friday, 5:00 p.m.	Classes end
	16-19	Saturday through Tuesday	Reading period
	20-26	Wednesday through Tuesday	First semester examinations
	26	Tuesday, 5:00 p.m.	First semester ends

Second Semester

Feb.	1	Monday	Registration
	2	Tuesday, 8:00 a.m.	Classes begin
	23	Tuesday, 11:00 a.m.	Founders' Day
Mar.	8-11	Monday through Thursday	Religious Emphasis Week
	19-28	Friday through Sunday	Concert Choir Tour
	30	Tuesday	Phi Alpha Epsilon Day
Apr.	2	Friday, 5:00 p.m.	Easter vacation begins
	13	Tuesday, 8:00 a.m.	Classes resume
	20	Tuesday, 11:00 a.m.	Religion and Life Lecture
	21-28	Wednesday through Wednesday	Pre-registration for 1st semester, 1971-1972, and Summer Session, 1971
	25	Sunday, 3:00 p.m.	Spring Music Festival, Symphonic Band
May	1	Saturday	Alumni Day
	9	Sunday, 3:00 p.m.	Spring Music Festival, Chorus and Orchestra
	18	Tuesday, 11:00 a.m.	Awards and Recognition Day
	21	Friday, 5:00 p.m.	Classes end
	22-25	Saturday through Tuesday	Reading period
26-June 1		Wednesday through Tuesday	Second semester examinations
	1	Tuesday, 5:00 p.m.	Second semester ends
	4	Friday	Board of Trustees meeting
	5	Saturday	Orientation for incoming new students
	6	Sunday, 9:00 a.m.	Baccalaureate Service
	6	Sunday, 11:00 a.m.	102nd Annual Commencement

1971 Summer Session: June 14-August 6

CALENDAR 1971

JANUARY							FEBRUARY							MARCH							APRIL							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
				1	2		1	2	3	4	5	6	7	1	2	3	4	5	6					1	2	3		
3	4	5	6	7	8	9	7	8	9	10	11	12	13	7	8	9	10	11	12	13	4	5	6	7	8	9	10	
10	11	12	13	14	15	16	14	15	16	17	18	19	20	14	15	16	17	18	19	20	11	12	13	14	15	16	17	
17	18	19	20	21	22	23	21	22	23	24	25	26	27	21	22	23	24	25	26	27	18	19	20	21	22	23	24	
24	25	26	27	28	29	30	28							28	29	30	31				25	26	27	28	29	30	31	
31																												
MAY							JUNE							JULY							AUGUST							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
					1		1	2	3	4	5			1	2	3					1	2	3	4	5	6	7	
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14	
9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21	
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28	
23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31	29	30	31					
30	31																											
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
				1	2	3	1	2	3	4	5			1	2	3	4	5	6		1	2	3	4				
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11	
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18	
19	20	21	22	23	24	25	26	17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25
26	27	28	29	30	31		24	25	26	27	28	29	30	28	29	30	31				26	27	28	29	30	31		
31																												

CALENDAR 1972

JANUARY							FEBRUARY							MARCH							APRIL							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
					1		1	2	3	4	5	6		1	2	3	4	5	6		1	2	3	4	5	6	7	
2	3	4	5	6	7	8	6	7	8	9	10	11	12	5	6	7	8	9	10	11	2	3	4	5	6	7	8	
9	10	11	12	13	14	15	13	14	15	16	17	18	19	12	13	14	15	16	17	18	9	10	11	12	13	14	15	
16	17	18	19	20	21	22	20	21	22	23	24	25	26	19	20	21	22	23	24	25	16	17	18	19	20	21	22	
23	24	25	26	27	28	29	27	28	29	30				26	27	28	29	30	31		23	24	25	26	27	28	29	
30	31																				30	31						
MAY							JUNE							JULY							AUGUST							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
	1	2	3	4	5	6	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	
7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12	
14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19	
21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26	
28	29	30	31				25	26	27	28	29	30	31	23	24	25	26	27	28	29	27	28	29	30	31			
														30	31													
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
	1	2					1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	9
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9	10
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16	17
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23	24
24	25	26	27	28	29	30	29	30	31					26	27	28	29	30	31		24	25	26	27	28	29	30	31
														31														

COLLEGE CALENDAR 1971/1972

1971

First Semester		
Sept.	9, 10	Thursday, Friday Faculty Retreat
	11	Saturday Board of Trustees Retreat
	13-15	Monday through Wednesday Orientation for new students
	14, 15	Tuesday, Wednesday Registration
	16	Thursday, 8:00 a.m. Classes begin
	16	Thursday, 11:00 a.m. Opening College Convocation
Oct.	5	Tuesday, 11:00 a.m. Religion and Life Lecture
	23	Saturday Homecoming Day
	26, 27	Tuesday, Wednesday Balmer Showers Lectureship
Nov.	6	Saturday Board of Trustees meeting
	10	Wednesday Mid-semester grades due
	24	Wednesday, 1:00 p.m. Thanksgiving vacation begins
	29	Monday, 8:00 a.m. Classes resume
Dec.	1-8	Wednesday through Wednesday Pre-registration for 2nd semester
	17	Friday, 5:00 p.m. Christmas vacation begins

1972

Second Semester		
Jan.	3	Monday, 8:00 a.m. Classes resume
	14	Friday, 5:00 p.m. Classes end
	15-18	Saturday through Tuesday Reading period
	19-25	Wednesday through Tuesday First semester examinations
	25	Tuesday, 5:00 p.m. First semester ends

Second Semester		
Feb.	31	Monday Registration
	1, 2	Tuesday, Wednesday All-College Symposium
	3	Thursday, 8:00 a.m. Classes begin
	22	Tuesday, 11:00 a.m. Founders' Day
Mar.	3-12	Friday through Sunday Concert Choir Tour
	13-16	Monday through Thursday Religious Emphasis Week
	24	Friday, 5:00 p.m. Easter vacation begins
Apr.	4	Tuesday, 8:00 a.m. Classes resume
	4	Tuesday Phi Alpha Epsilon Day
	16	Sunday, 3:00 p.m. Spring Music Festival, Symphonic Band
	18	Tuesday, 11:00 a.m. Religion and Life Lecture
	19-26	Wednesday through Wednesday Pre-registration for 1st semester, 1972-1973, and Summer Session, 1972
	30	Sunday, 3:00 p.m. Spring Music Festival, Chorus and Orchestra
May	6	Saturday Alumni Day
	16	Tuesday, 11:00 a.m. Awards and Recognition Day
	19	Friday, 5:00 p.m. Classes end
	20-23	Saturday through Tuesday Reading period
	24-30	Wednesday through Tuesday Second semester examinations
	30	Tuesday, 5:00 p.m. Second semester ends
June	2	Friday Board of Trustees meeting
	3	Saturday Orientation for incoming new students
	4	Sunday, 9:00 a.m. Baccalaureate Service
	4	Sunday, 11:00 a.m. 103rd Annual Commencement

1972 Summer Session: June 12-August 4



Contents

College Profile	8
College History	9
Accreditation	11
Principles and Objectives	11
Location and Environment	12
Campus Map	13
Campus, Buildings, and Equipment	14
Support and Control	16
Enrollment Statistics	19
Information For Prospective Students	20
Admission	21
Student Finances	23
Financial Aid	25
Academic Programs and Procedures	26
Requirements For Degrees	27
Special Plans of Study	30
The College Honors Program	47
Auxiliary Schools	48
Marine Biology Program	49
Junior Year Abroad	49
Academic Procedures	50
Administrative Regulations	52
Student Activities	54
The Religious Life	55
Campus Organizations	57
Cultural Opportunities	57
Student Government	58
Athletics and Recreation	59
Courses of Study By Departments	60
Directories	112
Faculty and Administrative Staff	113
Board of Trustees	124
General Alumni Organization	128
Degrees Conferred	130
Student Awards	134
Correspondence Directory	140
Index	141

College Profile



COLLEGE HISTORY

Officials of the East Pennsylvania Conference of the Church of the United Brethren in Christ were acutely embarrassed in the spring of 1866. Five public-spirited citizens of the town of Annville had come to Conference on February 22 and offered as a gift the Annville Academy building on Main Street, which they had bought for \$4,500, providing that the Conference would establish and maintain there forever an institution of learning of high grade. The gift was accepted. The name Lebanon Valley College was chosen. It was decided to lease the property to someone qualified to operate a school. The opening date was set — May 7. Planning then came to a stop, for they could find no one to take the lease.

That was the situation seven weeks before the opening date, according to George Washington Miles Rigor, whose short account is the earliest extant history of Lebanon Valley College. There was no college graduate in the whole Conference, and a poll of Otterbein College graduates failed to turn up a prospect. Rigor, a United Brethren minister who had attended college for only three years, stepped into the breach. He enlisted the cooperation of a neighbor, Thomas R. Vickroy, a Methodist minister and graduate of Dickinson College. They took over the lease as partners for the next five years, Vickroy to run the school and Rigor to act as Agent. The building was readied and Lebanon Valley College opened on May 7, as scheduled, with 49 students enrolled. From its first day it was coeducational.

President Vickroy's term was marked by action. Eleven acres were added to the "lot and a half of ground" conveyed by the original deed. A spacious four-story building was erected. A charter was granted by the Com-

monwealth of Pennsylvania. A faculty was hired. A complete college curriculum, based on the classics but including music and art, was established, and two classes were graduated before Vickroy gave up his lease in 1871. The College was not leased again but continued operations through a Board of Trustees.

The five presidents during the next 25 years had great difficulty in keeping the College afloat, due to lack of support ranging from open opposition to disinterested apathy. There was some progress. A library was established in 1874, and a college newspaper appeared in 1888. However, in the fall of 1896, the school was debt-ridden, living from hand to mouth, with an enrollment of only 80.

The administration of President Hervin U. Roop, starting in 1897, marked the first real period of expansion. Under his leadership, five new buildings were erected, including a library donated by Andrew Carnegie, and the Administration Building was re-built after the disastrous fire of Christmas Eve, 1904. By 1905, enrollment had soared to 470, with a faculty of 23.

Loss of public confidence and financial support prompted Roop's resignation in 1905 and the College faced its darkest days. Bankruptcy was averted by the keen business sense and generosity of President Lawrence Keister, who served from 1907 to 1912.

President George D. Gossard finally gave the College stability when he achieved for it accreditation and a million dollar endowment fund, the income from which was to form the financial cushion dreamed of by all the presidents before him. By the end of his 20-year term in 1932, there were 653 students and 32 faculty members. Most important, the Conservatory of Music was accredited by the Commonwealth for its program in Public School

Music, marking the start of an outstanding academic department.

Following Dr. Gossard's death in 1932, Clyde A. Lynch faced a series of external crises which lasted throughout his 18 years as president. The stock market crash shrank the handsome endowment raised by his predecessor. The Depression of the 1930's reduced the enrollment and World War II lowered it still further; the post-war influx of veterans then stretched it to more than capacity. In spite of these trials, Dr. Lynch's administration began buying property adjacent to the campus to allow for future expansion. It also raised over a half million dollars, part of which was to be used for a new physical education building. This building, still unfinished at the time of Lynch's death in 1950, was named in his honor upon completion.

The twelfth president of the College, Fredric K. Miller, served for almost 17 years. During his term, inflation caused mushrooming costs, but the so-called "Tidal Wave of Students" made possible selective admissions. The greatest physical expansion in the history of the College occurred, with seven new buildings erected and several renovated. Two major fund-raising drives were concluded successfully. Enrollment increased by 60%, with a corresponding increase in faculty and administrative staff. The Centennial of the founding of the College was observed by a year-long series of events.

On April 1, 1967, Dr. Miller retired, and Allan W. Mund, President of the Board of Trustees, became Acting President. It was not until February 3, 1968, that Frederick P. Sample was selected by the Board to become thirteenth president of Lebanon Valley College. When Dr. Sample assumed office on September 1, 1968, Lebanon Valley College faced its second century as a fully-accredited, church-related, coeducational college of the liberal arts and sciences, occupying a 35-acre campus of 26 buildings, and supporting an enrollment of 900 and a full-time faculty of 58.

Just as the College has changed through the years, so has the Church of the United Brethren in Christ which gave it birth and offered its support. Organized in 1800 as the

first Christian church indigenous to the United States, the denomination merged with the Evangelical Church to become the Evangelical United Brethren Church in 1946. In April, 1968, this body joined with the Methodist Church to form the United Methodist Church.

In looking to its second century, Lebanon Valley College is very conscious of the dream of its forefathers that it be "an institution of learning of high grade." It aims to be essentially what it is now, a relatively small college of the liberal arts and sciences that takes its historic Christian origin and current relationship seriously.

Presidents of Lebanon Valley College

Rev. Thomas Rees Vickroy, Ph.D.
1866-1871

Lucian H. Hammond, A.M.
1871-1876

Rev. D. D. DeLong, A.M.
1876-1887

Rev. E. S. Lorenz, A.M., B.D.
1887-1889

Rev. Cyrus J. Kephart, A.M.
1889-1890

E. Benjamin Bierman, A.M., Ph.D.
1890-1897

Rev. Hervin U. Roop, A.M., Ph.D., LL.D.
1897-1906

Rev. Abram Paul Funkhouser, B.S.
1906-1907

Rev. Lawrence Keister, S.T.B., D.D.
1907-1912

Rev. George Daniel Gossard, B.D., D.D., LL.D.
1912-1932

Rev. Clyde Alvin Lynch, A.M., B.D., D.D.,
Ph.D., LL.D.
1932-1950

Frederic K. Miller, M.A., Ph.D., Litt.D., D.H.L.,
D.Pd., LL.D.
Acting President 1950-1951
President 1951-1967

Allan W. Mund, LL.D.
Acting President 1967-1968

Frederick P. Sample, B.A., M.Ed., D.Ed., Pd.D.
1968-

ACCREDITATION

Lebanon Valley College is accredited by the following bodies:

Middle States Association of Colleges and Secondary Schools
Department of Education of Pennsylvania
National Association of Schools of Music
American Chemical Society

Lebanon Valley College is a member of the following bodies:

American Council on Education
Association of American Colleges
College Entrance Examination Board
College Scholarship Service
Council of Protestant Colleges and Universities
Pennsylvania Foundation for Independent Colleges
American Association of Colleges for Teacher Education
Pennsylvania Association of Colleges and Universities
Eastern Collegiate Athletic Conference

Lebanon Valley College is on the approved lists of the Regents of the University of the State of New York and the American Association of University Women.

PRINCIPLES AND OBJECTIVES

The aim of Lebanon Valley College is to give its students the opportunity to procure a liberal education of the highest quality. That is, it seeks, first of all, to acquaint them with the basic facts and principles of the cultural heritage of mankind, including its spiritual, scientific, literary, artistic, and social elements. Second, it seeks to develop in its students the capacity to use their full intellectual resources in dealing with, formulating and communicating ideas, and making reasoned judgments. Third, it seeks to cultivate those qualities of personality and character, of moral and social responsibility and concern, that characterize personal maturity and constitute the basis of a free society.

The liberal education aims of Lebanon Valley College are set within the context of

commitment to the Christian faith and Christian values, and are ordered by the conviction that sincere faith and significant learning are inseparable, that all truth has its origin and end in God, and that, therefore, learner and teacher alike not only can be, but *must* be free to subject all claims to truth and value, both religious and secular, to the tests of honest and humble inquiry, analysis, reflection, and redefinition. And implicit in this conviction is the correlate that keeping the doors open for exploration and application of Christian truth and value does not bar the way to the exploration of the truth and value to be found in other religious and philosophical traditions of mankind. Finally, in the Christian understanding of man as creature of God is found the basis of the College's concern for all its members as persons, as God-related as well as man-related and world-related beings. Thus through commitment to the ideal of Christian higher education does the College seek to serve the Church and the Christian community which nourishes and sustains it.

In its policy of providing programs of a professional and pre-professional nature, Lebanon Valley College does not seek simply to help educate persons who will make their own useful contribution to the work of the world and to the service of mankind in certain professions and vocation. The College insists that for its students engaged in such preparation the purposes of a Christian liberal education apply completely and must be neither ignored nor deprecated for the sake of technical or utilitarian ends or in the name of pragmatic or material values. Indeed, a liberally educated professional is a more complete person, while through his practice his knowledge and interests are applied and made relevant to the world.

It is in relation to these general principles that the following more specific educational objectives of Lebanon Valley College are to be understood:

1. To provide an opportunity for qualified young people to procure a liberal education and to develop their total personalities under Christian influences.

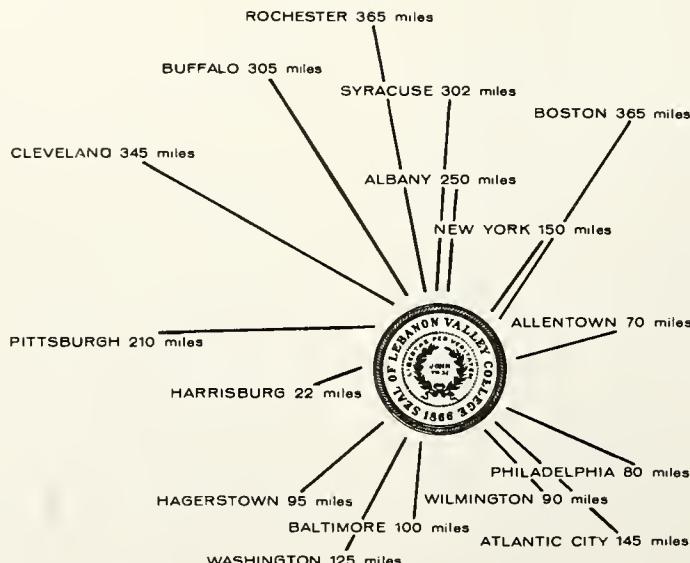
2. To help provide the church with capable and enlightened leaders, both clerical and lay.
3. To foster Christian ideals and to encourage faithfulness to the Church of the student's choice.
4. To help train well-informed, intelligent, and responsible citizens, qualified for leadership in community, state, and nation.
5. To provide pre-professional students with the board preliminary training recommended by professional schools and professional associations.
6. To provide, in an atmosphere of liberal culture, partial or complete training for certain professions and vocations.
7. To provide opportunity for gifted students to pursue independent study for the purpose of developing their intellectual powers to the maximum.

LOCATION AND ENVIRONMENT

Lebanon Valley College is located in Annville, Lebanon County, Pennsylvania, twenty miles east of Harrisburg and five miles west of Lebanon. The campus faces U.S. Highway 422 on the south and Pennsylvania Highway 934 on the west. Lebanon Valley College is accessible from the Pennsylvania Turnpike using the Lebanon-Lancaster Interchange, Pennsylvania Highway 72, and Highway 322.

Bus service between Reading and Harrisburg over Highway 422 provides rail and air connections at Harrisburg for Philadelphia, New York, Baltimore, Washington, Pittsburgh, and other major cities.

Annville is a residential community of about 3,500 people situated in the agricultural country of the Pennsylvania Germans. Of historical significance in nearby areas are the Cornwall Charcoal Furnace, which dates back to 1742 and which supplied cannonballs for Washington's army, and the adjacent Cornwall Ore Mines which are still operated by the Bethlehem Steel Corporation; the Union Canal Tunnel (the oldest existing canal tunnel in the United States) and remnants of the locks used from 1828 to 1885 by the canal which provided access from the Susquehanna River to Philadelphia; and the first Municipal Water Works in America at Schaefferstown.





1. Administration Building	12. Engle Hall	22. North College
2. Carnegie Lounge	13. Chapel	23. Saylor Hall
3. Gossard Memorial Library	14. Lynch Memorial Building (Gymnasium)	24. Keister Hall
4. Kreider Hall	15. Sheridan Hall	25. Hammond Hall
5. Science Hall	16. West Hall Annex	26. 112 College Ave., Faculty Offices
6. Maintenance Building	17. West Hall	27. East College
7. College Book Store	18. College Dining Hall	28. Infirmary
8. Central Heating Plant	19. Mary Capp Green Hall	29. Centre Hall
9. Laughlin Hall	20. Vickroy Hall	30. Funkhouser Hall
10. South Hall	21. College Center	31. 104 College Ave., Faculty Offices
11. United Methodist Church		

CAMPUS, BUILDINGS, AND EQUIPMENT

The campus of 60 acres is situated in the center of Annville. The college plant consists of 29 buildings including:

The Administration Building — Administrative Offices (President, Vice President and Dean of the College, Vice President and Assistant to the President, and Vice President and Controller) are located on the main floor. The remainder of the building is devoted to classrooms, laboratories, faculty offices, and administrative services.

Gossard Memorial Library — The Gossard Memorial Library was opened in June, 1957. The more than 100,900 volumes include an excellent collection of standard reference works and bound periodicals. In addition to resources used by the various departments of the College, a diversified collection of periodicals is also available.

The Hiram Herr Shenk Collection (which includes the Heilman Library) and the C. B. Montgomery Memorial Collection contain many valuable works dealing with the history

and customs of the Pennsylvania Germans. These collections are housed in the Historical Collection Room and are open for reference use under staff supervision.

A separate room houses the Archives of the Historical Society of the Eastern Conference of the United Methodist Church. The materials in this collection are available for reference under the supervision of the Conference Historian.

Special equipment of the library includes a music and listening room outfitted with turntables and earphones, typing booths for students, conference rooms, microfilm reader-printers (there are some 6,900 periodicals on microfilm), an electrostatic copier, and carrels for individual study. In addition to the library proper, the building contains an audio-visual room equipped with a loudspeaker system and adaptable to the exhibiting of works of art.

Chapel — This building houses the main sanctuary and meditation chapel, Office of the Chaplain, faculty offices of departments of Religion and Philosophy, classrooms, a fellowship room, and offices for PROJECT and Delta Tau Chi.





Engle Hall—Engle Hall houses the Department of Music and includes an auditorium, classrooms, studios, offices, and private practice rooms.

Saylor Hall—Classrooms for instruction in art, as well as practice rooms of the Department of Music, are located in Saylor Hall.

Carnegie Lounge—The former Carnegie Library building now houses the offices of the Dean of Men, the Dean of Women, auxiliary student services, and lounge facilities.

Science Hall—The first floor of Science Hall contains laboratories, library, class and conference rooms, and offices of the Department of Chemistry. The second and third floors are equipped with similar facilities and a greenhouse of the Department of Biology.

Lynch Memorial Physical Education Building—This modern plant is well equipped for physical education, recreation, and campus meetings. It houses the Department of Economics and Business Administration.

Residence Halls—There are six residence halls for women (Centre, Green, Keister, North, Vickroy, and West) and six for men (East, Funkhouser, Hammond, Kreider, Sheridan, and West Annex).

The College Center—Within the College Center are located the College Dining Hall, which has facilities for serving all resident students; the College Book Store, where textbooks, school supplies, stationery, clothing, and souvenirs can be purchased; the Infirmary, staffed by a Head Nurse and resident nurses, with the College Physician on call at all times; and a 300-seat theater. In addition the Center contains a snackbar, music lounge, meeting rooms, lounges, and offices for the student newspaper and the college yearbook.

104 College Avenue—This building houses offices of the Department of Foreign Languages.

112 College Avenue—This building provides offices for the Department of English.

South Hall—South Hall houses the Office of the Assistant Dean of the College and Registrar, the Teacher Placement Bureau, the Office of Admissions, and faculty offices.

Laughlin Hall—The offices of the College Relations Area (Alumni, Development, and Public Relations) are located in Laughlin Hall.



SUPPORT AND CONTROL

Lebanon Valley College receives support authorized by the General Conference of the United Methodist Church, individual congregations of the denomination in the Eastern Pennsylvania Conference and the Central Pennsylvania Conference, endowments, and the Pennsylvania Foundation for Independent Colleges. Also, since at Lebanon Valley College as at most other institutions of higher learning the tuition and other annual charges paid by the student do not cover the total cost of his education, additional income is derived through the Lebanon Valley College Fund. The Fund is supported by industry, alumni, the Board of Trustees, parents of students, and other friends of the College.

Total assets of Lebanon Valley College are approximately \$13,000,000, including endowment funds in excess of \$2,650,000. Aside from general endowment income available for unrestricted purposes, there are a number of special funds designated for specific uses such as professorships, scholarships, and the library.

Control of the College is vested in a Board of Trustees composed of 54 members, 32 of whom represent church conferences; 5 of whom represent the alumni of the institution; 5 of whom represent the faculty; and 12 of whom are elected at large.

ENDOWMENT FUNDS (June 30, 1970)

UNRESTRICTED

For General Purposes

RESTRICTED

Professorship Funds

Chair of English Bible and Greek Testament
Josephine Bittinger Eberly Professorship of
Latin Language and Literature
John Evans Lehman Chair of Mathematics
The Rev. J. B. Weidler Endowment Fund
The Ford Foundation

Restricted Other

Bishop J. Balmer Showers Lectureship Fund
Karl Milton Carnegie Fund

Special Fund—Faculty Salaries

The Batdorf Fund
E. N. Funkhouser Fund
Mr. and Mrs. C. H. Horn Fund
Mary I. Shumberger Memorial Fund
Woodrow W. Waltermeyer Professorship Fund

Library Funds

Library Fund of Class of 1916
Class of 1956 Library Endowment Fund
Dr. Lewis J. and Leah Miller Leiby Library Fund

Maintenance Funds

Hiram E. Steinmetz Memorial Room Fund

Equipment Funds

Dr. Warren H. Fake and Mabel A. Fake Science
Memorial Fund
Williams Foundation Endowment Fund

Publicity Funds

Harnish-Houser Publicity Fund



Scholarship Funds

Allegheny Conference C.E. Scholarship Fund
A.F.S. Scholarship Fund
Alumni Scholarship Fund
Dorothy Jean Bachman Scholarship Fund
Lillian Merle Bachman Scholarship Fund
Baltimore Fifth Church, Otterbein Memorial
 Sunday School Scholarship Fund
E. M. Baum Scholarship Fund
Andrew and Ruth Bender Scholarship Fund
Cloyd and Mary Bender Scholarship Fund
Biological Scholarship Fund
Eliza Bittinger Scholarship Fund
Mary A. Bixler Scholarship Fund
I. T. Buffington Scholarship Fund
Alice Evers Burtner Memorial Award Fund
Mr. and Mrs. D. Clark Carmean Scholarship
 Fund
Collegiate Scholarship Fund of Evangelical
 United Brethren Church
Isaiah H. Daugherty and Benjamin P. Raab
 Memorial Scholarship Fund
Senator James J. Davis Scholarship Fund
William E. Duff Scholarship Fund
Derickson Scholarship Fund
East Pennsylvania Conference C.E. Scholarship
 Fund
East Pennsylvania Branch W.S.W.S. Scholarship
 Fund
Samuel F. and Agnes F. Engle Scholarship Fund
M. C. Favinger and Wife Scholarship Fund
Fred E. Foos Scholarship Fund
C. C. Gingrich Scholarship Fund
G. D. Gossard and Wife Scholarship Fund
Margaret Verda Graybill Memorial Scholarship
 Fund
Peter Graybill Scholarship Fund
Jacob F. Greasly Scholarship Fund
Hilda Hafer Scholarship Fund
Harrisburg Otterbein Church of The United
 Brethren In Christ Scholarship Fund
Harrisburg Otterbein Sunday School
 Scholarship Fund
Alice M. Heagy Scholarship Fund
J. M. Heagy and Wife Scholarship Fund
Bertha Foos Heinz Scholarship Fund
Harvey E. Herr Memorial Scholarship Fund
Edwin M. Hershey Scholarship Fund
Merle M. Hoover Scholarship Fund
Judge S. C. Huber Scholarship Fund
Cora Appleton Huber Scholarship Fund
H. S. Immel Scholarship Fund
Henry G. and Anna S. Kauffman and Family
 Scholarship Fund
John A. H. Keith Fund
Barbara June Kettering Scholarship Fund
Rev. and Mrs. J. E. and Rev. A. H. Kleffman
 Scholarship Fund
Dorothea Killinger Scholarship Fund
A. S. Kreider Ministerial Scholarship Fund
W. E. Kreider Scholarship Fund
Maud P. Laughlin Scholarship Fund
Lebanon Steel Foundry Foundation
 Scholarship Fund
The Lorenz Benevolent Fund
Mrs. Edwin M. Loux Scholarship Fund
Lykens Otterbein Church Scholarship Fund
Mechanicsburg U.B. Sunday School
 Scholarship Fund
Medical Scholarship Fund
Elizabeth Meyer Endowment Fund
Elizabeth May Meyer Musical Scholarship Fund
Mrs. Elizabeth H. Millard Memorial
 Scholarship Fund
Harry E. Miller Scholarship Fund
Bishop J. S. Mills Scholarship Fund
The Ministerial Student Aid Gift Fund of
 The Evangelical United Brethren Church
Germaine B. Monteux Memorial Scholarship
 Fund
Elizabeth A. Mower Beneficiary Fund
Neidig Memorial Church Ministerial
 Scholarship Fund
Grace U.B. Church of Penbrook,
 Penna. Scholarship Fund
Pennsylvania Branch W.S.W.S. Scholarship
 Fund in Memory of Dr. Paul E. V. Shannon
Pennsylvania Conference C.E. Scholarship
 Fund
Pennsylvania Conference Youth Fellowship
 Scholarship Fund
People's National Bank Achievement Award
 in Economics
Philadelphia Lebanon Valley College Alumni
 Scholarship Fund
Rev. H. C. Phillips Scholarship Fund
Sophia Plitt Scholarship Fund
Quincy Evangelical United Brethren
 Orphanage and Home Scholarship Fund

Ezra G. Ranck and Wife Scholarship Fund
Levi S. Reist Scholarship Fund
G. A. Richie Scholarship Fund
Emmett C. Roop Scholarship Fund
Reynaldo Rovers Memorial Scholarship Fund
Harvey L. Seltzer Scholarship Fund
Mary Ann Ocker Spital Scholarship Fund
Rev. and Mrs. Cawley H. Stine Scholarship Fund
Dr. Alfred D. Strickler and Louise Kreider Strickler Pre-Medical Scholarship Fund
Washington, D. C. Memorial E.U.B. Ministerial Scholarship Fund
Henry L. Wilder Scholarship Fund
Jacob C. Winter Memorial Scholarship

Student Loan Funds

Mary A. Dodge Loan Fund
Daniel Eberly Scholarship Fund

Prize Funds

Bradford C. Alban Memorial Award Fund
The L. G. Bailey Award

Henry H. Baish Memorial Fund
Andrew Bender Memorial Chemistry Fund
The Class of 1964 Quittapahilla Award Fund
Governor James H. Duff Award
The French Club Prize Fund
Florence Wolf Knauss Memorial Award in Music
La Vie Collegienne Award Fund
Max F. Lehman Fund
The David E. Long Memorial Fund
Germaine Benedictus Monteux Music Award
Pickwell Memorial Music Award
The Rosenberry Award
Wallace-Light-Wingate Award
The Salome Wingate Sanders Award in Music Education

Annuity Funds

Rev. A. H. Kleffman and Erma L. Kleffman
E. Roy Line Annuity
Ruth Detwiler Rettew Annuity Fund



ENROLLMENT STATISTICS

SUMMARY OF COLLEGE YEAR, 1969-1970 — CUMULATIVE

Degree Students	FULL-TIME			PART-TIME			TOTAL		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
Seniors	115	67	182	7	10	17	122	77	199
Juniors	100	96	196	4	4	8	104	100	204
Sophomores	133	114	247	1	3	4	134	117	251
Freshmen	201	129	330	1	1	2	202	130	332
Non-degree	2	0	2	31	21	52	33	21	54
Day-time Total ...	551	406	957	44	39	83	595	445	1040
Evening-Campus				42	83	125	42	83	125
University Center									
at Harrisburg				276	311	587	276	311	587
Grand Total	551	406	957	362	433	795	913	839	1752
Names Repeated ..				-1	-3	-4	-1	-3	-4
Net Total	551	406	957	361	430	791	912	836	1748
*Music Specials				22	47	69	22	47	69
Summer Session, 1970									
College				94	77	171	94	77	171
*Music Specials				16	21	37	16	21	37
Names Repeated ..				-1	-5	-6	-1	-5	-6

* Not included in totals

SUMMARY OF FIRST SEMESTER — 1970-1971

Degree Students	FULL-TIME			PART-TIME			TOTAL		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
Seniors	103	85	188	6	7	13	109	92	201
Juniors	110	105	215	2	2	4	112	107	219
Sophomores	136	105	241	0	3	3	136	108	244
Freshmen	180	124	304	1	0	1	181	124	305
Non-degree	1	0	1	6	14	20	7	14	21
Day-time Total ...	530	419	949	15	26	41	545	445	990
Evening-Campus				25	47	72	25	47	72
University Center									
at Harrisburg				181	178	359	181	178	359
Grand Total	530	419	949	221	251	472	751	670	1421
Named Repeated ..	-2	-1	-3	-1	-4	-5	-3	-5	-8
Net Total	528	418	946	220	247	467	748	665	1413
*Music Specials				12	23	35	12	23	35

* Not included in totals

Information For Prospective Students



ADMISSION

Students are admitted to Lebanon Valley College on the basis of scholarly achievement, intellectual capacity, character, personality, and ability to profit by college experience.

GENERAL INFORMATION

1. All communications concerning admission should be addressed to the Director of Admissions, Lebanon Valley College, Annville, Pennsylvania 17003.
2. Applications should be submitted as early as possible in the latter part of the junior or the beginning of the senior year of high school or preparatory school.
3. Applications must be filed on forms provided by the Office of Admissions.
4. Each application must be accompanied by an application fee of \$10.00. This fee is not refundable.
5. A transcript of the secondary school record, on a form provided by the College for that purpose, must be sent by the principal to the Director of Admissions. May 1 is the deadline for receiving applications.
6. A student transferring from another collegiate institution must present an official transcript of his scholastic record and evidence of honorable dismissal.
7. All new students are required to present on or before August 20 the official Health Record showing a physician's report of medical examination; certification of vaccination within a period of five years and immunization against flu, polio, and tetanus given just prior to the student's entrance to college.
8. All applicants shall be considered for admission without regard to their race, religion, creed, or country of national origin.

Admission is based on total information submitted by the applicant or in his behalf. Final decision, therefore, cannot be reached until all information has been supplied by the applicant.

FACTORS DETERMINING ADMISSION

Each candidate for admission will be considered individually and the decision of the Admissions Advisory Group with respect to admission will be based on the following factors:

1. The transcript of the applicant's secondary school record.
2. Recommendation by the principal, teachers, and other responsible persons as to the applicant's special abilities, integrity, sense of responsibility, seriousness of purpose, initiative, self-reliance, and concern for others.
3. A personal interview, whenever possible, with the Director of Admissions or his designate.
4. College Entrance Examination Board test results: (a) Scholastic Aptitude Test, (b) three achievement tests — English composition and two optional tests. All candidates for admission are required to take the Scholastic Aptitude Test and three achievement tests — English composition and any other two. Those seeking entrance in September are advised to take these tests no later than in the preceding December and/or January. Full information concerning dates and locations of these test administrations may be obtained by writing to: College Entrance Examination Board, P.O. Box 592, Princeton, N. J. 08540.
5. Additional test results which may be required in special cases by the Admissions Advisory Group.

ADMISSION TO THE DEPARTMENT OF MUSIC

An applicant to the music or music education curriculums is expected to satisfy the general requirements for admission. In addition, the candidate must appear for an audition before members of the music faculty and show evidence of:

1. An acceptable singing voice and a fairly quick sense of tone and rhythm;
2. Ability to sing at sight hymn and folk tunes with a fair degree of accuracy and facility;
3. Ability to sing or to play the piano, organ, or some orchestral instrument at a level representing three years of study.

RECOMMENDED UNITS FOR ADMISSION

It is recommended that all candidates offer 16 units of entrance credit and graduation from an accredited secondary school or submit an equivalency certificate acquired through examination.

Ten of the 16 units offered for admission must be from the following subjects: English, foreign language, mathematics, science, and social studies.

An applicant for admission whose preparatory courses do not coincide with the distribution of subject units (see below) may be considered by the Admissions Advisory Group if his academic record is of high quality and if, in the opinion of the Admissions Advisory Group, he appears to be qualified to do college work satisfactorily. All entrance deficiencies must be removed before sophomore academic status will be granted.

DISTRIBUTION OF SUBJECT UNITS

English	4	units
Foreign Language (in one language)*	2	"
Mathematics	2	"
Science (laboratory)	1	"
Social Studies	1	"
Electives	6	"
Total required	16	"

* If an applicant cannot present the two units of foreign language, he will be required to take a minimum of two years of one language in college. His credits for this work will be counted toward graduation requirements.

TRANSFER CREDIT

A student applying for advanced standing at Lebanon Valley College after having attended another accredited institution of higher education shall submit an official transcript of his record and evidence of good standing to the Director of Admissions. He must also submit College Board Aptitude Test scores. If requested, he must provide copies of the appropriate catalogs for the years of his attendance at the other institution or institutions.

Credits are accepted for transfer provided that the grades received are C (2.0) or better and the work is equivalent or similar to work offered at Lebanon Valley College. Grades thus transferred count for hours only, not for quality points.

Students transferring from two-year institutions are required to earn at least 60 hours of credit from a four-year institution for graduation. A minimum of 30 hours of this must be taken at Lebanon Valley College to meet the residence requirement.

Transfer students may be required to take placement examinations to demonstrate adequate preparation for advanced courses at Lebanon Valley College.

Subject to the conditions listed in the second paragraph, Lebanon Valley College will recognize for transfer credit a maximum of 15 hours of USAFI course work provided such credit is recommended by the American Council on Education publication, *A Guide to the Evaluation of Educational Experiences in the Armed Services*.

Credit will not be granted for correspondence courses.

ADVANCED PLACEMENT

Advanced placement and/or credit may be granted to entering students who make scores of 3, 4, or 5 on the College Board Advanced Placement examination.

Advanced placement without credit may be granted on the basis of the Achievement Tests of the College Board Examinations or such other proficiency tests as may be determined by the Assistant Dean of the College and by the chairman of the department in which advanced placement is sought.

STUDENT FINANCES

Lebanon Valley College is a private non-profit institution. It derives its financial support from endowment and gifts from the United Methodist Church, alumni, industry, friends and from the tuition, fees, and other charges paid by the students. The cost to the student is maintained at a level consistent with adequate facilities and high quality instruction.

FEES AND DEPOSITS

An application fee of \$10.00 which is not refundable is charged each applicant to apply against the cost of processing his application for admission. An admission deposit of \$100.00, payable within ten days of notification of acceptance, is required of all new (including transfer) students. Until this deposit is paid the student is not guaranteed a place in the entering class. The admission deposit is not refundable; it will be applied to the student's account upon registration.

1971-1972 FEE STRUCTURE FOR FULL-TIME DEGREE CANDIDATES

	Resident Each	Non- Resident Each	Semester
Standard Charges			Semester
Tuition and Fees*	\$1,000	\$1,000	
Room and Board	<u>525</u>	<u>...</u>	
			\$1,525
			\$1,000

Students may be subject to the following additional fees and charges, depending upon their program:

Laboratories, in excess of one per semester:

Science, Mathematics,
Languages \$20.00 per semester
All other laboratories .. 15.00 per semester

Student Teaching Fee: \$8.00 per credit

Music Fees:

Private music instruction
(1/2 hour per week,
15 weeks) 60.00 per semester

* Fee portion is \$25 per semester.

Class music instruction

(1 hour per week) ... 40.00 per semester
Organ, practice rental
(per hour per week). 8.00 per semester
Band and orchestral
instrument rental ... 15.00 per semester
Transcript, in excess
of one \$ 1.00

A required insurance fee in the amount of \$20.00 is collected in the first semester of the student's enrollment and a pro-rata charge applies to the student who first enrolls in the second semester.

The contingency deposit in the amount of \$25.00 must be made before registration and is required of all full-time students and will be refunded upon graduation or withdrawal from college provided no damage has been caused by the student. All student breakage that occurs in college-operated facilities will be charged against this deposit and the amount must be repaid to the College within 30 days of notice to the student.

A fee of \$10.00 is charged each student who does not register for classes during any prescribed pre-registration or registration period. A fee of \$5.00 is charged for every change of course made at the student's request after registration.

The fee for part-time students (less than 12 credit hours per semester) is \$75.00 per semester credit hour plus a \$2.00 registration fee; the fee for credit hours in excess of 16 credit hours per semester is \$60.00; fractional hours of credit are charged proportionately.

AUXILIARY SCHOOL FEE STRUCTURE (EVENING AND SUMMER)

Tuition, \$60.00 per semester credit hour
Registration Fee, \$2.00
Late Registration Fee, \$5.00
Change of Registration Fee, \$5.00

PAYMENT OF FEES AND DEPOSITS

Semester charges are due and payable in full on September 1 (first semester) and January 1 (second semester) as a condition for registration. Those preferring to pay semester charges in monthly installments are invited to consult with the Office of the Controller re-

garding deferred payment plans offered by various financial institutions. Arrangements for deferred payment plans shall be completed early enough to assure payment of bills no later than the date that semester charges are due and payable (September 1 and January 1).

A satisfactory settlement of all college accounts is required before grades are released, transcripts are sent, honorable dismissal granted, or degree conferred.

REFUND POLICY

Refunds, as indicated below, are allowed only to students who officially withdraw from the College by completing the clearance procedure:

Period of student attendance in college from date classes begin	% of tuition refunded
Less than three weeks	75%
Over three weeks	0%

A refund on board charge is allowed for the period beginning after honorable official withdrawal.

No refund is allowed on student charges when a student retains his class standing during his absence from college because of illness or for any other reason.

No refund is allowed on room charges. No refund is allowed on room deposit except when withdrawal results from suspension or dismissal by College action or when withdrawal results from entrance into active military service.

RESIDENCE HALLS

Residence hall rooms are reserved only for those returning students who make an advance room reservation deposit of \$50.00. (Receipt must be presented at the time of room sign-up which occurs immediately after the Easter Vacation.)

Occupants are held responsible for all breakage and loss of furniture, or any damage for which they are responsible.

Each room in the men's residence halls is furnished with chests of drawers, book case, beds, mattresses, chairs, and study tables. Drapes are provided in Hammond and Funk-



houser Halls. Students must provide bedding, rugs, lamps, and all other furnishings.

Each room in the women's residence halls is furnished with beds, mattresses, chairs, dressers, book case, and study tables. Drapes are provided in Keister, Mary Green and Vickroy Halls. Other desired furnishings must be supplied by the student.

Students rooming in residence halls may not sublet their rooms to commuting students or to others.

Since Lebanon Valley College is primarily a boarding institution, all students are required to live in college-owned or controlled residence halls. Exceptions to the above are: married students, students living with immediate relatives, or those living in their own homes who commute daily to the campus.

Should vacancies occur in any of the residence halls, the College reserves the right to require students rooming in the community to move into a residence hall.

The College reserves the right to close all residence halls during vacations and between semesters.

The College reserves the right to inspect any student's room at any time. Periodic inspection of residence halls will be made by members of the administration.

The College is not responsible for loss of personal possessions by the students.

Lounges are provided by the College for resident and commuting students.

MEALS

All resident students are required to take their meals in the College Dining Hall. Commuting students may arrange for meals Monday through Friday, on a semester basis, if space is available.

FINANCIAL AID

Lebanon Valley College offers financial aid to deserving students who have been accepted for admission insofar as its aid funds permit. Students apply for financial aid by submitting the Parents' Confidential Statement directly to the College Scholarship Service, Box 176, Princeton, New Jersey 08540. Applications for financial aid (PCS) are available to high school seniors in the guidance counselor's office and to college upperclassmen in the Financial Aid Office. It is not necessary to await notification of acceptance to Lebanon Valley College before applying for financial aid; in fact, application for financial aid should be made as early as possible and no later than February 1.

All financial aid is awarded for one year on the basis of financial need (except Presidential Scholarships). The PCS form assists the Financial Aid Officer in determining the applicant's need for financial aid. Participants in CSS subscribe to the principle that the amount of financial aid granted a student should be based upon financial need. Students receiving aid from sources outside the College are required to report the amount and source of financial aid to the Financial Aid Office. The College reserves the right to review and to adjust the financial aid offering and award accordingly.

All financial aid is reviewed annually. Eligibility for renewal of financial aid is based upon need as established on the renewal PCS, satisfactory conduct, and maintenance of the required scholastic average.

PRESIDENTIAL SCHOLARSHIPS

Available to entering students by the President of Lebanon Valley College who are deemed worthy of recognition because of superior attainment in high school study. A 2.5 cumulative grade point average is required for automatic reinstatement of these awards.

GRANTS-IN-AID

Available to entering freshmen and upperclassmen who have demonstrated capability either in high school or in college work. A 2.0 cumulative grade point average is required for automatic continuation of these grants.

FEDERAL OPPORTUNITY GRANTS

Educational Grants range from \$200 to \$1,000 per academic year and are based upon genuine need as stipulated by the federal government and supported by the Parents' Confidential Statement.

STUDENT LOANS

National Defense Loans are available under the Higher Education Act of 1965. Qualifying students may borrow up to \$1,000 per year.

STUDENT EMPLOYMENT PROGRAMS

A student in need of financial assistance may be assigned a campus employment position. Under the College Work Study Program which is underwritten by the federal government a student may work an average of 15 hours per week during any week when classes are in session. A student under this program may work 40 hours per week during any week when classes are not in session.

In addition, the College operates its own student employment program affording opportunities for students to work in a variety of positions as their schedules permit.

For further information, write to the Financial Aid Officer, Lebanon Valley College, Annville, Pennsylvania 17003.

Academic Programs & Procedures



REQUIREMENTS FOR DEGREES

Lebanon Valley College confers five bachelor degrees. They are: Bachelor of Arts, Bachelor of Science, Bachelor of Science in Chemistry, Bachelor of Science in Medical Technology, and Bachelor of Science in Nursing.

The degree of Bachelor of Arts is conferred upon students who complete the requirements for graduation in the following areas, and who are recommended by the faculty and approved by the Board of Trustees: Biology, English, French, German, Greek, History, Latin, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Religion, Sociology, and Spanish.

The degree of Bachelor of Science is conferred upon students who complete the requirements in the following areas, and who are recommended by the faculty and approved by the Board of Trustees: Actuarial Science, Biology, Chemistry, Cooperative Engineering, Cooperative Forestry, Economics and Business Administration, Elementary Education, Mathematics, Music Education, and Physics.

The professional degrees of Bachelor of Science in Chemistry, Bachelor of Science in Medical Technology and Bachelor of Science in Nursing are conferred upon students who complete the requirements in the respective professional areas and who are recommended by the faculty and approved by the Board of Trustees.

SEMESTER HOURS

The requirements for degrees are stated in "semester hours of credit" which are based upon the satisfactory completion of courses of instruction. Generally, one semester hour credit is given for each class hour a week throughout the semester. In courses requiring laboratory work, not less than two hours of laboratory work a week throughout a semester

are required for a semester hour of credit. A semester is a term of approximately 17 weeks.

Candidates for degrees must obtain a minimum of 120 semester hours credit in academic work in addition to the required courses in Freshman and Sophomore Physical Education. However, a student who has a physical disability may be excused (on recommendation from the College Physician) from the requirement in physical education.

MAJOR

As a part of the total requirement of 120 hours every candidate for a degree must present at least 24 semester hours of course work in one department (this is his major). The initial selection of a major may be indicated or recorded any time before the end of the student's sophomore year. Such a choice of department or curriculum in which to pursue work of special concentration must be made by the time of registration for the junior year.

A student shall be accepted as a major in a department so long as he has not demonstrated (by achieving less than the minimum grade point average in the desired major) that he is incapable of doing satisfactory work in the department. A student accepted as a major has the right to remain in that department, except by special action of the Dean of the College, as long as he is in college.

EXAMINATIONS

Candidates for degrees are required to take end of course examinations.

RESIDENCE REQUIREMENT

Degrees will be conferred only upon those candidates earning in residence a minimum of 30 semester hours out of the last 36 taken before the date of the conferring of the degree, or before the transfer to a cooperating program. Residence credit is given for course work completed in regular day classes and in evening and summer session courses taken on campus.

GRADE POINT AVERAGES

Candidates for degrees must also obtain a cumulative grade point average of 1.75, computed in accordance with the grading system indicated below.

In addition, candidates must earn a grade point average of 2.0 in the major field of study.

Only grades received in courses taken on campus or in courses staffed by Lebanon Valley College at the University Center at Harrisburg are used to determine grade point averages.

SYSTEM OF GRADING AND QUALITY POINTS

The work of a student in each subject is graded A, B, C, D, or F, with the plus and minus available to faculty members who wish to use them. These grades have the following meanings:

A—distinguished performance

B—superior work

C—general satisfactory achievement

D—course requirements and standards satisfied at a minimum level

F—course requirements and standards not satisfied at a minimum level

When a grade of F has been received, the student may not proceed with any part of the course dependent upon the part in which the grade of F has been received. If a student fails in a subject twice, he may not register for a third time.

In addition to the above grades the symbols "I," "W," "WP," and "WF" are used on grade reports and in college records. "I" indicates that the work is incomplete (that the student has postponed with the prior consent of the instructor and for substantial reason, certain required work), but otherwise satisfactory. This work must be completed within the first six weeks of the beginning of the semester following, or the "I" will be converted to an F. Appeals for extension of time beyond six weeks must be presented in writing to the Assistant Dean of the College not later than one week after the beginning of the next semester.

W indicates withdrawal from a course any

time within the first six weeks of classes of a semester without prejudice to the student's standing. In case of withdrawal from a course after six weeks and not later than the end of twelve weeks the symbol WP will be entered if the student's work is satisfactory, and WF if his work is unsatisfactory. The grade WP will be considered as without prejudice to the student's standing, but the grade WF will be counted as an F. If a student withdraws from a course after twelve weeks, without a reason satisfactory to the Assistant Dean of the College, a grade of WF will be recorded.

For courses in which no academic credit is involved, student work is evaluated as either S (Satisfactory) or U (Unsatisfactory).

For each semester hour credit in a course in which a student is graded A, he receives 4 quality points; A—, 3.7; B+, 3.3; B, 3; B—, 2.7; etc. F carries no credit and no quality points.

PASS/FAIL GRADING

After a student has gained sophomore standing, he may elect to take up to two courses per semester and one one-semester course per summer session on a P/F basis, but only six of these courses can be counted toward graduation requirements.

Any courses not being counted toward the fulfillment of the general requirements or the specified major requirements may be optional on a pass/fail basis. Any pre-requisite course taken on a P/F basis and successfully completed will satisfy the pre-requisite.

Any course taken on a P/F basis will be graded P/H (pass with distinction), P (pass), or F (fail). P/H is defined as B+ and up, P is defined as D— through B; and F is below D—.

Any course completed on a P/F basis shall be counted toward graduation requirements but only an F grade shall be included in computing the grade point average. All passing grades shall be treated on the record as we presently treat transfer credit.

The student will indicate at the time of pre-registration or registration the courses that he has elected to take on a P/F basis. He may, with the approval of his adviser, change his option for P/F grading to the regular grading

basis or from regular grading to P/F grading within two weeks after the beginning of the semester.

Instructors will not be informed of the grading option selected by the student. Instructors will submit an A through F grade for each student which will be converted to P/H, P or F for students selecting this grading system.

TRANSFER STUDENTS

Students transferring from two-year institutions are required to have at least 60 hours of work at a four-year institution for graduation. A minimum of 30 hours of this must be taken at Lebanon Valley College to meet the residence requirement. (See page 27.)

Students transferring from other institutions must secure a grade point average of 1.75 or better in work taken at Lebanon Valley College, and must meet the 2.0 grade point average in their major field.

ATTENDANCE AT BACCALAUREATE AND COMMENCEMENT PROGRAMS

All seniors are required to attend the Baccalaureate and Commencement programs at which their degrees are to be conferred.

Degrees will be conferred *in absentia* only for the most compelling reasons and only upon a written request approved by the Assistant Dean of the College. Such requests must be submitted at least two weeks prior to the date of Commencement.

Faculty approval is required for the conferring of the degree and the issuance of the diploma in any case of wilful failure to comply with these regulations.

GENERAL AND DISTRIBUTION

REQUIREMENTS

	Semester Hours
English Composition*	6
Foreign Language (Intermediate level)*	6
Mathematics (First year level)*	3
Religion**	6
Physical Education (two years)	0

* Requirement can be met by proficiency examinations selected by the chairman of the department involved in consultation with the Assistant Dean of the College, or through the Advanced Placement Programs.

** Requirement can be met by (a) Religion 12 and 13, or (b) Religion 12 or 13 and Religion 22 or 42.

II. DISTRIBUTION REQUIREMENTS:

Humanities: Three one-semester courses (not more than two from one field) to be chosen from among Art or Music treated as one field; literature as offered by the Department of English; literature as offered by the Department of Foreign Languages; Philosophy; Religion 9

Social Sciences: Three one-semester courses (not more than two from one field) to be chosen from among Anthropology, Economics, History, Political Science, Sociology 9

Natural Sciences: Three one-semester courses (not more than two from one field) to be chosen from Biology, Chemistry, Physics, Psychology 9-12

48-51

Distribution requirements shall be met from among the following courses:

Humanities: Art 12, 21; English 20, 21, 24, 26, 37; Foreign Literature courses above first semester 15 level; Music 19 or 30; Philosophy 10, 30; Religion 32, 33; Rel. 22, 42 if not used to fulfill general requirement in Religion.

Social Sciences: Anthropology 20; Economics 20; History 10, 13, 24; Pol. Sci. 10, 30, 33; Sociology 20, 21, 33.

Natural Sciences: Biology 14, 18; Chemistry 13; Physics 10, 17; Psychology 20, 25, 44.

Notes:

1. No course in the major field shall be used to meet general or distribution requirements.
2. No course taken as a general requirement may count toward a major.
3. No credit is given for an elementary language course if two or more years of the same language have been taken in secondary school or if credit for an elementary language course has been given on transfer from another institution. Credit is given for any other elementary language course.

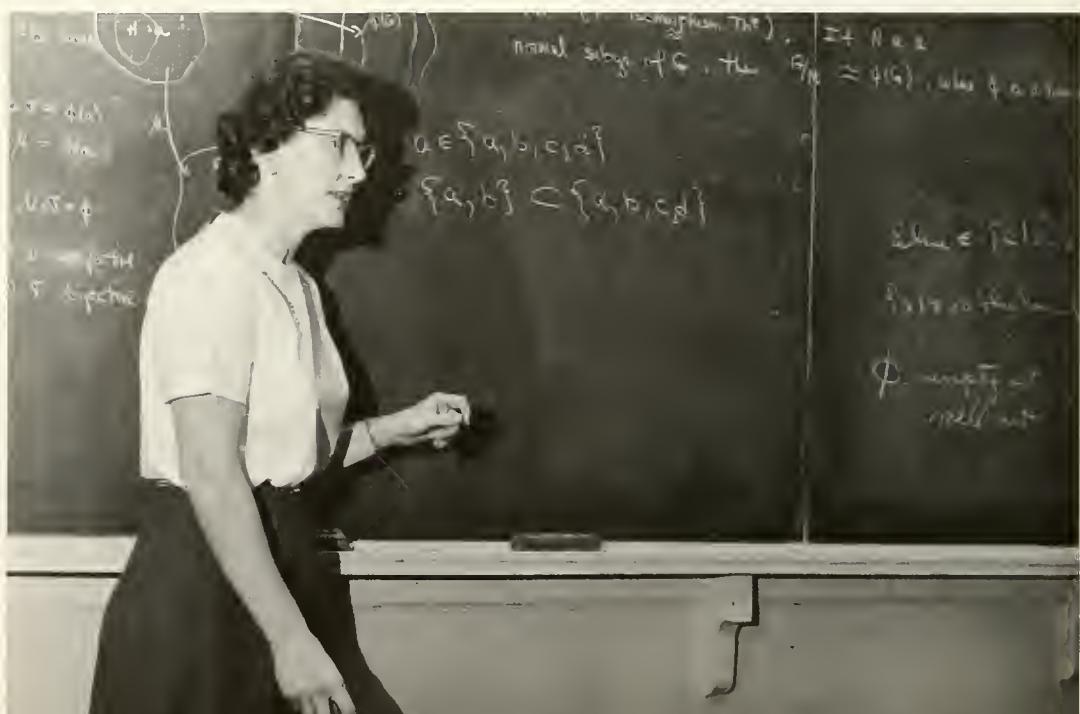
SPECIAL PLANS OF STUDY

ACTUARIAL SCIENCE

Adviser: Dr. Mayer

Consultant: Actuaries Club of Philadelphia

Course Number	Course Title	Hours 1st Sem.	Credit 2nd Sem.
FIRST YEAR			
Mathematics	11....Elementary Analysis I & II	3	3
English	10a-10b....English Composition	3	3
Foreign Language	10 or 15 ...Language General Requirement	3	3
Economics	20....Principles of Economics	3	3
The Natural Sciences	Distribution Requirements	4	4
Physical Education	10....Physical Education	0	0
Actuarial Examination	Part I	—	0
		16	16
SECOND YEAR			
Mathematics	21....Intermediate Analysis I & II	3	3
Mathematics	12....Elementary Statistics	3	—
Mathematics	24....Linear Algebra	—	3
Economics	23....Principles of Accounting	4	4
The Humanities	Distribution Requirements	3	3
The Social Sciences	Distribution Requirements	3	3
Physical Education	20....Physical Education	0	0
		16	16





THIRD YEAR

Mathematics	37	Mathematical Statistics	3	3
Mathematics	41	Probability	—	3
Mathematics	40.1	Mathematics Seminar (Actuarial Science)	1	1
Economics	32a-32b	Business Law	3	3
Economics	36	Money and Banking	—	3
Religion		General Requirement	3	3
The Social Sciences		Distribution Requirements	3	—
Elective			3	—
Actuarial Examination	Part II		—	0
			16	16

FOURTH YEAR

Mathematics	40.1	Mathematics Seminar (Actuarial Science)	1	1
Economics	44	Corporation Finance	3	—
Economics	45	Investments and Statement Analysis	—	3
The Humanities		Distribution Requirements	3	—
The Natural Sciences		Distribution Requirements	3	—
Electives			6	12
Actuarial Examination	Part III		—	0
			16	16

The above program is one that is typical for the actuarial student. Some variation is possible with the consent of the adviser.

Part 1 of the Examination of the Society of Actuaries may be taken in the spring of the freshman year or the fall or spring of the sophomore year. Part 2 of the Examination may be taken in the spring of the sophomore or junior year. The summer following the sophomore or junior year may be spent in the home office of one of the life insurance

companies. Part 3 of the Examination may be taken in the spring of the junior year and should be taken by the spring of the senior year.

The College is a testing center for the Society of Actuaries and the major can take each of the examinations on campus.

Upon the satisfactory completion of the above curriculum and tests, the degree of Bachelor of Science with a Major in Actuarial Science is granted.

CHEMISTRY

Advisers: Dr. Neidig, Dr. Griswold, Dr. Lockwood

Students entering with advanced placement in chemistry are asked to consult the advisers.

Course Number	Course Title	Hours 1st Sem.	Credit 2nd Sem.
FIRST YEAR			
Chemistry	13....Principles of Chemistry	4	4
English	10a-10b....English Composition	3	3
German	11....Scientific German	3	3
Mathematics	11....Elementary Analysis I & II	3	3
Physical Education	10....Physical Education	0	-
Religion	General Requirement	3	3
		16	16

SECOND YEAR

Chemistry	25....Reaction Kinetics and Chemical Equilibria	4	-
Chemistry	24....Chemistry of the Covalent Bond	-	4
Distribution Requirements	The Social Sciences	3	3
Mathematics	21....Intermediate Analysis I & II	3	3
Physical Education	20....Physical Education	0	0
Physics	17....Principles of Physics I	4	4
		14	14





THIRD YEAR

Chemistry	36.....Physical Chemistry	3	3
Chemistry	37.....Organic Chemistry	3	-
Chemistry	38.....Instrumental Analysis	-	3
Distribution Requirements	The Humanities	3	3
Physics	27.....Principles of Physics II	4	4
Chemistry	39.....Laboratory Investigations I	1	1
Chemistry	30.1.....Laboratory Investigations II	-	2
Chemistry	30.2.....Laboratory Investigation III	2	-
		<hr/>	<hr/>
		16	16

FOURTH YEAR

Chemistry	41.....Advanced Organic Chemistry	-	3
Chemistry	44.....Special Problems	2	2
Chemistry	45.....Advanced Analytical Chemistry	3	-
Chemistry	47.....Advanced Inorganic Chemistry	3	3
Distribution Requirements	The Social Sciences	3	-
Distribution Requirements	The Humanities	-	3
Distribution Requirements	The Sciences	3	-
Elective		-	3
		<hr/>	<hr/>
		14	14

Curriculum leading to the degree of Bachelor of Science in Chemistry
(Part of the requirements for American Chemical Society certified degree)

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

Advisers: Dr. Tom, Mr. Grace, Mr. Peterke

Suggested program for majors in Economics and Business Administration.

Course Number	Course Title	Hours 1st Sem.	Credit 2nd Sem.
FIRST YEAR			
Economics	20a—20b....Principles of Economics	3	3
Economics	23a....Principles of Accounting	4	—
English	10a—10b....English Composition	3	3
Foreign Language	10....Intermediate French, German, Greek, Latin, Russian, or Spanish	3	3
Mathematics 1 or 11	Introductory Analysis or Elementary Analysis I	3	—
Distribution Requirements	Humanities, or Natural Sciences, or Social Sciences	—	6-7
Physical Education	10....Physical Education	0	0
Computer Programming	1....Basic Computer Language	—	0
		16	15-16

SECOND YEAR

Economics	40.2....Microeconomic Analysis	3	—
Economics	36....Money and Banking	—	3
Economics	Electives*	3	3
History	13....Introduction to Historiography	3	—
Distribution Requirements	Humanities, or Natural Sciences, or Social Sciences	3-4	6-7
Religion	General Requirement	3	3
Physical Education	20....Physical Education	0	0
		15-16	15-16





THIRD YEAR

Economics	48	Labor Economics	3	—
Economics	35	Marketing	—	3
Economics		Electives*	3	3
Distribution Requirements		Humanities, or Natural Sciences, or Social Sciences	6-7	6-7
Electives			3	3
			<hr/>	<hr/>
			15-16	15-16

FOURTH YEAR

Economics	40.3	Seminar and Special Problems.....	—	3
Economics		Electives*	6-9	6-9
Electives			6-9	6-9
			<hr/>	<hr/>
			15	15

* Students concentrating in areas designated should schedule courses as indicated:

Economics:

- Econ. 37—Public Finance
- Econ. 38—International Economics
- Econ. 40.1—History of Economic Thought
- Econ. 40.4—Macroeconomic Analysis
- Econ. 41—Economic Growth
- Econ. 46—Econometrics

Business Administration:

- Econ. 32—Business Law
- Econ. 44—Corporation Finance
- Econ. 45—Investments and Statement Analysis
- Econ. 49—Industrial Management and Personnel Administration

Accounting:

- Econ. 30—Intermediate Accounting
- Econ. 31—Advanced Accounting
- Econ. 40.5—Auditing
- Econ. 42—Income Tax Accounting
- Econ. 43—Cost Accounting
- Econ. 45—Investments and Statement Analysis

For students who are interested in receiving Pennsylvania Teaching Certification in Comprehensive Social Studies with a major in Economics, the following courses are required:

- Econ. 20—Principles of Economics
- Econ. 23—Principles of Accounting
- Econ. 35—Marketing
- Econ. 36—Money and Banking
- Econ. 40.2—Microeconomic Analysis
- Econ. 40.3—Seminar and Special Problems
- Econ. 48—Labor Economics
- Econ. 32—Business Law, or Econ. 37—Public Finance, or Econ. 40.1—History of Economic Thought, or Econ. 41—Economic Growth, or Econ. 46—Econometrics.

ELEMENTARY EDUCATION

Advisers: Dr. Ebersole, Mrs. Herr

Suggested program for majors in Elementary Education.

Suggested program for majors in Elementary Education.			Hours	Credit
Course Number	Course Title		1st Sem.	2nd Sem.
FIRST YEAR				
Education	20.....	Social Foundations of Education	3	—
English	10a—10b.....	English Composition	3	3
Foreign Language	10.....	Intermediate French, German, Russian, or Spanish	3	3
Distribution Requirements		Biology, Chemistry, or Physics	3-4	3-4
Physical Education	10.....	Physical Education	0	0
Psychology	20.....	General Psychology	—	3
Religion		General Requirement	3	3
			15-16	15-16

SECOND YEAR

Geography	10a-10b	World Geography	3	3
Distribution Requirement		The Humanities	3 or 0	0 or 3
Psychology	23	Educational Psychology	3	—
History	24a or 24b	Survey of United States History	0 or 3	3 or 0
Elementary Education	22	Music in the Elementary School	—	3
Elementary Education	25	Mathematics for Elementary Grades	—	3
Elementary Education	37	Children's Literature	—	3
Physical Education	20	Physical Education	0	0
Electives			3 or 6	0 or 3
			15	15





THIRD YEAR

Elementary Education	34	Teaching of Reading	3	—
Elementary Education	23	Physical Sciences in the Elementary School	—	3
Elementary Education	36	Communications and Group Processes in the Elementary School	3	3
Distribution Requirements		The Social Sciences	3	3
Psychology	21	Psychology of Childhood and Development	3	—
Mathematics	10	Basic Concepts of Mathematics	3	—
Elective			—	3
Elementary Education	43	Health and Safety Education	—	3
			15	15

FOURTH YEAR

Elementary Education	40	Student Teaching	12	—
Art	32	Art in the Elementary School	3	—
Elementary Education	44	Senior Seminar	—	3
Distribution Requirements		The Humanities	—	6
Electives or area of concentration			—	6
			15	15

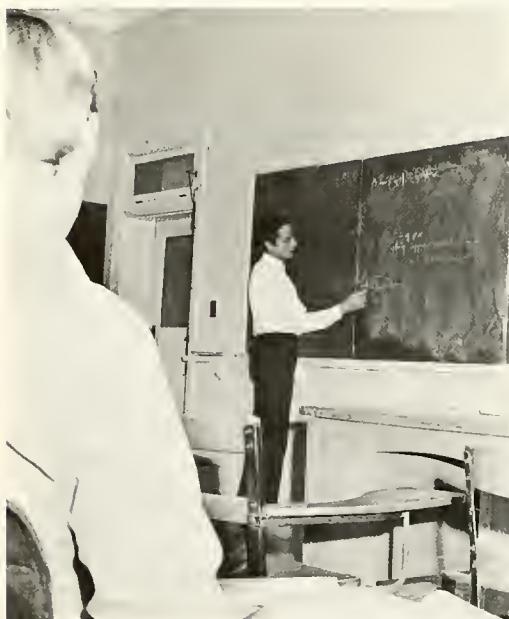
COOPERATIVE ENGINEERING PROGRAM

Adviser: *Dr. Mayer*

Lebanon Valley College offers a cooperative program in Engineering whereby a student may achieve a liberal arts degree from Lebanon Valley College and also an engineering degree from the University of Pennsylvania or any other institution with which cooperative arrangements are in effect.

A student electing to pursue this curriculum spends the first three years in residence at Lebanon Valley College. At the end of these three years he may, if recommended, attend the University of Pennsylvania or another cooperating institution for two additional years of work in engineering. Upon the successful completion of the five years of study, the student will receive two degrees: the Bachelor of Science degree from Lebanon Valley College and a Bachelor of Science degree in one of the fields of engineering from the University of Pennsylvania or other cooperating institution.

The adviser should be consulted concerning the various curriculums.



COOPERATIVE FORESTRY PROGRAM

Adviser: *Mr. Bollinger*

Lebanon Valley College offers a program in forestry in cooperation with the School of Forestry of Duke University. Upon successful completion of a five-year coordinated course of study, a student will have earned the Bachelor of Science degree from Lebanon Valley College and the professional degree of Master of Forestry from the Duke School of Forestry.

A student electing to pursue this curriculum spends the first three years in residence at Lebanon Valley College. Here he obtains a sound education in the humanities and other liberal arts in addition to the sciences basic to forestry. The student devotes the last two years of his program to the professional forestry curriculum of his choice at the Duke School of Forestry.

The adviser should be consulted concerning the curriculum.

MEDICAL TECHNOLOGY CURRICULUM

Adviser: *Dr. Argot*

The medical technology program is a four-year curriculum. The student takes regular college courses, including biology, chemistry, physics, mathematics, and general college requirements, during the first three years. These courses are more than sufficient to fulfill the requirements of the Board of Schools of the American Society of Clinical Pathologists.

Following the completion of these courses the student spends twelve months of training at any hospital with an American Medical Association—approved school of medical technology. At present Lebanon Valley College is affiliated with the Harrisburg Hospital.

Upon satisfactory completion of this internship the student is awarded the degree of Bachelor of Science in Medical Technology by Lebanon Valley College.

PRE-MEDICAL, PRE-DENTAL, AND PRE-VETERINARY CURRICULA

Adviser: *Dr. Wolfe, Mr. Bollinger, Dr. Wolf*

Students contemplating admission to Medical, Dental, or Veterinary Colleges should pursue a science program with a major in either biology or chemistry. They should register their professional intentions with the adviser of these programs by the end of their freshman or sophomore years. At that time their work will be reviewed and provision made to meet the special requirements of the colleges of their choice.

All students planning to enter the medical profession should confer with the pre-medical advisers as to the dates for medical aptitude tests and other special requirements.

The advisers should be consulted concerning the curriculum.

NURSING

Adviser: *Mr. Bollinger*

The five-year Nursing Plan offers to young women intending to enter the field of nursing an opportunity to obtain a liberal arts education in connection with their nurses' training.

Lebanon Valley College has an affiliation with a number of hospital schools of nursing for a five-year curriculum in nursing, the first two years of which are spent at Lebanon Valley College.

The next three years are spent at the School of Nursing in pursuit of the regular curriculum. At the end of these five years the student who has successfully completed both phases of the curriculum will be awarded the degree of Bachelor of Science in Nursing by Lebanon Valley College and the diploma in nursing by the School of Nursing.

The adviser should be consulted concerning the curriculum.

Nurses who have already successfully completed nursing training and received their R.N. rating may earn the Bachelor of Science in Nursing degree by completing the two-year liberal arts program at Lebanon Valley College.



MUSIC

Adviser: *Mr. Fairlamb*

<u>Course Number</u>	<u>Course Title</u>	<u>Hours</u>	<u>Credit</u>
		1st Sem.	2nd Sem.
FIRST YEAR			
English	10a-10b.....English Composition	3	3
Foreign Language	10.....French, German, Spanish, or Russian	3	3
Distribution Requirements	The Natural Sciences	3	3
Physical Education	10.....Physical Education	0	0
Music	10, 11.....Sight Singing I & II	1	1
Music	12, 13.....Ear Training I & II	1	1
Music	14, 15.....Harmony I & II	2	2
MusicApplied Music*	2	2
		<u>15</u>	<u>15</u>
SECOND YEAR			
Distribution Requirements	The Social Sciences	3	3
Mathematics	10.....Basic Concepts of Mathematics	—	3
Physical Education	20.....Physical Education	0	0
ReligionGeneral Requirement	3	3
Music	20.....Sight Singing III	1	—
Music	22.....Ear Training III	1	—
Music	24.....Harmony III	2	—
Music	40.1.....Counterpoint	—	2
MusicApplied Music*	2	2
Electives		<u>3</u>	<u>2</u>
		<u>15</u>	<u>15</u>





THIRD YEAR

Distribution Requirement	The Social Sciences	3	—
Distribution Requirements	The Humanities	3	3
Music	29....Harmony IV	2	—
Music	30a—30b....History of Music	3	3
Music	31, 36....Form and Analysis I & II	2	2
Music	39....Keyboard Harmony	—	2
Music	Applied Music*	2	2
Electives		—	3
		15	15

FOURTH YEAR

Distribution Requirement	The Sciences	3	—
Distribution Requirement	The Humanities	—	3
Music	41....Music Literature Seminar	3	—
Music	35....Conducting I	—	2
Music	Applied Music*	2	2
Electives		7	8
		15	15

* Study of voice, organ, piano, band and orchestral instruments.

MUSIC EDUCATION

Adviser: Mr. Smith

<u>Course Number</u>	<u>Course Title</u>	<u>Hours 1st Sem.</u>	<u>Credit 2nd Sem.</u>
FIRST YEAR			
English	10a-10b..... English Composition	3	3
Foreign Language	10..... French, German, Spanish, or Russian	3	3
Biology	14..... Introduction to Biology	3	3
Physical Education	10..... Physical Education	0	0
Music	10, 11..... Sight Singing I & II	1	1
Music	12, 13..... Ear Training I & II	1	1
Music	14, 15..... Harmony I & II	2	2
Music	Applied Music*	3	3
		<hr/> 16	<hr/> 16
SECOND YEAR			
Distribution Requirements	The Social Sciences	3	3
Education	20..... Social Foundations of Education	-	3
Physical Education	20..... Physical Education	0	0
Psychology	20..... General Psychology	3	-
Religion	General Requirement	3	3
Music	20..... Sight Singing III	1	-
Music	21..... Orchestration and Scoring for the Band ..	-	2
Music	22..... Ear Training III	1	-
Music Ed.	23..... Methods: Vocal; Grades K-3	-	2
Music	24..... Harmony III	2	-
Music	Applied Music*	3	3
		<hr/> 16	<hr/> 16





THIRD YEAR

English	20a-20b	Comparative Literature	3	3
Music	30a-30b	History of Music	3	3
Music	31	Form and Analysis I	2	—
Music	32	Music Literature	2	—
Music Ed.	33A	Methods: Vocal; Grades 4-6	2	—
Music Ed.	33B	Methods: Instrumental; Grades 4-6	1	—
Music Ed.	34A	Methods: Vocal; Jr.-Sr. High	—	2
Music Ed.	34B	Methods: Instrumental; Jr.-Sr. High	—	1
Music	35	Conducting I	—	2
Music	39	Keyboard Harmony	—	2
Music		Applied Music*	3	3
			16	16

FOURTH YEAR

Distribution Requirement		The Social Sciences	—	3
Psychology	23	Educational Psychology	3	—
Art	12	Introduction to Art	3	—
Music	45	Conducting II	2	—
Music Ed.	40a-40b	Student Teaching	6	6
Music Ed.	43	Seminar in Advanced Instrumental Problems	—	2
Elective			—	3
Music		Applied Music*	2	2
			16	16

* Study of voice, organ, piano, band and orchestral instruments.

TEACHING

Advisers: *Dr. Ebersole, Mrs. Herr*

The requirements listed below are applicable to students desiring to be certified to teach in the Commonwealth of Pennsylvania.

BASIC REGULATIONS—PENNSYLVANIA INSTRUCTIONAL I CERTIFICATE

A. General Education

Certificates are based on the completion of a minimum of sixty (60) semester hours of acceptable courses in general education with not less than twelve (12) semester hours in the humanities and not less than six (6) semester hours in each of the following areas: the social sciences and natural sciences.

These requirements apply to both elementary and secondary fields.



B. Elementary Education—Subject Matter Requirements

The Pennsylvania Instructional I certificate may be issued to those who have completed the program specified on pp. 36-37.

The prospective elementary education teacher is also required to have an academic major or an area of concentration of at least 18 to 24 semester hours.

The area of concentration may be defined as follows:

Study in a single subject such as history; study in a broad field such as sociology, psychology, and anthropology elected from social science; study in an inter-disciplinary field such as courses elected from the humanities, social science, or the natural sciences.



C. Professional Education for Secondary Teacher Certification

Pennsylvania Instructional I certificates are based on the completion of the approved program in the subject field to be taught in the secondary school and a minimum of eighteen (18) semester hours of professional education distributed in the following areas: social foundations of education, educational psychology, materials and methods of instruction and curriculum, and nine (9) semester hours in actual practicum and student teaching experience under approved supervision and appropriate seminars including necessary observation, participation and conferences on teaching problems. The areas of methods and materials of instruction and curriculum, and student teaching shall relate to the subject matter specialization field or fields.

D. Secondary Student Teaching Program

A student concentrating in a major area of interest may, upon the direction of his adviser and approval of the Dean of the College, enroll in one of three student teaching programs.

1. Semester of Professional Training

A student desiring to receive, upon graduation, the Pennsylvania Instructional I certificate devotes a semester of the senior year to professional preparation. The fifteen weeks are organized as follows:

Six Weeks: Psych. 23. Educational Psychology.

3:7½:O. See page 105 for course description.

Six Weeks: Ed. 49. Practicum and Methods.
3:7½:O. See page 74 for course description.

Some time is devoted to the presentation of data on basic reading instruction to fulfill certification requirements for the Commonwealth of Pennsylvania.

Nine Weeks: Ed. 40. Student Teaching.

Nine semester hours credit.

The student enters on a full-time student teaching experience of not less than nine consecutive weeks. He is under the direction of a trained teacher in an accredited high school and is counseled and directed by the college supervisor of secondary education. The student teacher also is observed by his major adviser.

Prerequisites for Student Teaching: A student must have met the following requirements to be accepted for student teaching in the professional semester of his senior year:

- a. Maintained satisfactory academic standing.
- b. Completed the basic courses Education 20, Psychology 23, and Education 49.

c. Secured written approval of his major adviser and the director of student teaching.

2. Post-Graduate Student Teaching

The post-graduate student teaching program is under the direction of Lebanon Valley College or, by arrangement, may be pursued with any other accredited institution which has provision for supervising student teaching in the public schools.

Because of the necessity of meeting Pennsylvania state certification requirements of proper supervision, only a limited number of students are accepted in the in-service student teaching program. Likewise, assignments are made only to those schools within the range of the institution responsible for supervising the enrollee.

3. Graduate Internship

A student may enroll in one of many graduate internship programs after graduation from college. For further information contact the chairman of the Department of Education.





THE COLLEGE HONORS PROGRAM

The College Honors program exists for the following purposes: to provide an opportunity for intellectually able students to develop their abilities to the fullest extent, to recognize and encourage superior academic achievement, and to stimulate all members of the College family to greater interest and activity in the intellectual concerns of college life.

These objectives are pursued by means of a double-phased program consisting of (1) Honors Sections in a number of courses in-

cluded in the general and distribution requirements taken for the most part during the student's freshman and sophomore years, and (2) an Independent Study plan by which a student during his junior and senior years may do individual work within the department of his major concentration. An Honors student may participate in either of these phases of the program without participating in the other. An over-all grade point average of 3.00 is a requirement for the maintenance of Honors status.

Appropriate recognition is given students who successfully complete either phase or both phases of the College Honors program.

HONORS SECTIONS

Honors Sections are offered in the following courses: English 10a-10b, English Composition; Religion 12, Introduction to Biblical Thought; Religion 13, Introduction to the Christian Faith; Economics 20a-20b, Principles of Economics; English 20a-20b, Comparative Literature; History 24a-24b, Survey of United States History; Psychology 20, General Psychology; and Sociology 20, Introduction to Sociology. The satisfactory completion of eighteen hours of Honors work is required for official recognition of participation in this phase of the College Honors program.

Freshmen are admitted to Honors Sections on the basis of their academic standing in secondary school, performance in the College Entrance Examination Board tests, the recommendation of teachers and counselors, and personal interviews with members of the Honors Council. Students not accepted initially can be admitted to the program at the beginning of subsequent semesters as they demonstrate ability to do superior work.

The seminar and tutorial methods are used to the greatest possible extent, and sections are kept small in size.

INDEPENDENT STUDY

Independent Study is offered for credit in the student's major field in the junior and senior years. Independent Study consists of a reading and/or research program producing a thesis or an essay. The latter is done on a problem or subject of the student's own choosing under the direct supervision of a faculty adviser. Opportunity is afforded to do creative work. A maximum of nine hours credit can be earned in Independent Study.

Independent Study is offered in the following departments: Chemistry, Economics and Business Administration, Elementary Education, English, Foreign Languages, History and Political Science, Mathematics, Music, Philosophy, Physics, Psychology, Religion, and Sociology. For further details regarding requirements and procedures in Independent Study, see the appropriate paragraph under each department in the catalog section "Courses of Study."



AUXILIARY SCHOOLS

SUMMER, EVENING, EXTENSION

Summer sessions, evening classes on campus, and extension classes in the University Center at Harrisburg have enabled teachers, state employees, and others in active employment to attend college courses and secure academic degrees. By a careful selection of courses, made in consultation with the appropriate adviser, students can meet many of the requirements for a baccalaureate degree. Some courses may be taken for interim, provisional,

and permanent teaching certification; others may be taken with the aim of transferring credit to another institution. Many courses lead to professional advancement or are of direct benefit to persons in business or industry, while others assist in broadening the student's vocational, social, and cultural background.

SUMMER SESSION

Regularly enrolled students may, by taking summer session courses, meet the requirements for the bachelor's degree in three years.

CAMPUS EVENING CLASSES

Evening classes are offered on the campus, Monday through Thursday, and carry residence credit.

Separate brochures are published for the Summer Session and the Evening Classes. For copies or for other information pertaining to the Summer Session or Evening Classes write to the Assistant Dean of the College, Lebanon Valley College, Annville, Pennsylvania, 17003.

UNIVERSITY CENTER AT HARRISBURG

Extension classes are offered in the William Penn High School, Third and Division Streets and at the Center's Campus, 2991 North Front Street, Harrisburg, 17110, on Monday through Thursday evenings and on Saturday mornings. Lebanon Valley College's extension program in Harrisburg is carried on in conjunction with Elizabethtown College, Temple University, The Pennsylvania State University, and the University of Pennsylvania.

All students admitted and enrolled for a degree at the College are required to secure the permission of their advisers and the Assistant Dean of the College prior to enrolling for any courses at the University Center at Harrisburg.

For details pertaining to the University Center at Harrisburg write or call the director at 2991 North Front Street, Harrisburg, Pennsylvania 17110, at 238-9694 or 238-9696.

MARINE BIOLOGY PROGRAM

Lebanon Valley College offers a limited program in Marine Biology in cooperation with the University of Delaware College of Marine Studies and the University of Georgia Marine Institute.

Under this program the student takes the necessary fundamental science courses on campus and spends six to ten weeks in the summer between his junior and senior years at the University of Delaware College of Marine Studies, Lewes, Delaware. Nine credits of marine science work can thus be earned for transfer to Lebanon Valley College.

In addition, short field trips are made to Lewes as part of the Ecology course (Biology 41). An extended field trip is made in the senior year to Sapelo Island, site of the University of Georgia Marine Institute. Opportunities are given here for study of various aspects of the ecology of an undisturbed marsh ecosystem and of basic oceanographic research methodology.

The College believes that the best preparation for a career in marine biology is a thorough grounding in biology, chemistry, physics, and mathematics. With the addition of the specific work in ecology and marine science, on campus and at the cooperating institutions, a student is well prepared both for an immediate career as well as for graduate work in the field.

JUNIOR YEAR ABROAD

A Lebanon Valley student may spend his junior year abroad in study under a program administered by an accredited American college or university, or in a program approved by Lebanon Valley College. Such a student must have maintained a B average at Lebanon Valley College, must be proficient in the language spoken in the country in which he will study, and must be a person who in the judgment of the Assistant Dean of the College and the faculty will be a worthy representative of his own country. His proposed course of study must be approved by the chairman of his department and the Assistant Dean of the College.

ACADEMIC PROCEDURES

REGISTRATION

Students are required to register for classes on official registration days of each semester and on designated pre-registration days. Information concerning the dates for official registration is listed in the College Calendar, pages 3 and 5.

LATE REGISTRATION

Students registering later than the days and hours specified will be charged a late registration fee of ten dollars. Students desiring to register later than one week after the opening of the semester will be admitted only by special permission of the Assistant Dean of the College. Students who do not pre-register during the designated time will be charged a late pre-registration fee of ten dollars.

CHANGE OF REGISTRATION

Change of registration, including Pass/Fail elections, when necessary, must be made over the signature of the adviser. Registration for a course will not be permitted after the course has been in session for one full week. With the permission of his adviser, a student may withdraw from a course at any time within the first six weeks of classes in a semester without prejudice. (See p. 28.) A fee of \$5.00 is charged for every change of course made at the student's request after registration.

ORIENTATION FOR NEW STUDENTS

A spring orientation day is held annually for incoming students. At this time the activities include a general orientation to the College, diagnostic testing, counseling with academic advisers and pre-registration for courses. Special sessions for parents are a vital part of the program.

An orientation period of several days at the beginning of the college year is provided to help new students, both freshmen and transfers, to become familiar with their academic surroundings. This time is devoted to lectures, social activities, and informal meetings with members of the faculty.

During the first semester all freshmen and transfer students are required to participate in

an orientation course which includes a series of lectures and discussions on College procedures, campus activities, and methods of study.

DISCONTINUANCE OF COURSE

The College reserves the right to withdraw or discontinue any course for which an insufficient number of students have registered.

REPETITION OF COURSES

No student shall be permitted to repeat for credit, grade, or quality points a course for which he has already received a passing grade.

CONCURRENT COURSES

A student enrolled for a degree at Lebanon Valley College may not carry courses concurrently at any other institution without the prior consent of his adviser and the Assistant Dean of the College. Neither may a regular student carry work concurrently in evening or extension courses without the prior permission of his adviser and the Assistant Dean of the College.

A student registered at Lebanon Valley College may not obtain credit for courses taken in other colleges, including the University Center at Harrisburg, during the summer unless such courses have prior approval of his adviser and the Assistant Dean of the College.

AUDITING COURSES

Full-time students are permitted to register to audit courses with the consent of the instructor and the academic adviser. The regular tuition fee is charged. Neither grade nor credit is given either at the time the course is audited or thereafter.

FACULTY ADVISERS

Each student is assigned a faculty adviser who serves in the capacity of friendly counselor.

The initial selection of a major may be indicated or recorded any time before the end of the student's sophomore year. Such a choice of department or curriculum in which to pursue work of special concentration must be made by the time of registration for the junior year. This department or curriculum shall be known as his major. A student shall

be accepted as a major in a department so long as he has not demonstrated (by achieving less than the minimum grade point average in the desired major) that he is incapable of doing satisfactory work in the department. The chairman or another member of the department or the adviser of the curriculum in which the student has elected to major becomes the adviser for that student. The adviser's approval is necessary before a student may register for or withdraw from any course or select or change his Pass/Fail elections.

ARRANGEMENT OF SCHEDULES

Each student arranges his course of study and his class schedule in consultation with, and approval of, his faculty adviser. Students already in attendance do this during pre-registration periods. New students accomplish this on the Spring Orientation Day.

LIMIT OF HOURS

To be classified as full-time, a student must take at least twelve semester hours of work. Sixteen semester hours of work is the maximum permitted without approval of the adviser and special permission of the Assistant Dean of the College; Physical Education carries no credit.

The privilege of carrying extra hours will be granted only for compelling reasons and only when a satisfactory grade level has been maintained for the previous semester. An additional charge will be made for all hours above sixteen.

ACADEMIC CLASSIFICATION

Students are classified academically at the beginning of each year. Membership in the sophomore, junior, or senior classes is granted to those students who have earned a minimum of 28, 56, or 84 semester hours credit respectively.

All entrance deficiencies must be removed before the academic status of sophomore is granted.

COUNSELING AND PLACEMENT

Lebanon Valley College recognizes as part of its responsibility to its students the need for providing sound educational, vocational,



and personal counseling. Measures of interest, ability, aptitude, and personality, in addition to other counseling techniques, are utilized in an effort to help each student come to a fuller realization of his capabilities and personality. An important part of the counseling program consists of a series of lectures and discussions conducted as a non-credit orientation course for new students.

Placement services are provided by the College for aiding students in procuring part-time employment while in college and in obtaining positions upon graduation. A current file is maintained which contains information about positions in various companies and institutions, Civil Service opportunities and examinations, entrance to professional schools, assistantships, and fellowships. Representatives of business, industry, and educational institutions visit the campus annually to interview seniors for prospective employment. A file of credentials and activities of those students availing themselves of the services is available to prospective employers. Graduates may keep their individual files active by reporting additional information to the Director of Industrial Placement.

A Teacher Placement Bureau which assists students in finding positions is maintained.

Records of students' credentials in all areas of student activities are on file.

ADMINISTRATIVE REGULATIONS

The rules of the College are designed to provide for proper regulation of the academic community. The rules and regulations as stated in this bulletin are announcements and in no way serve as a contract between the student and the College. Attendance at the College is a privilege and not a right. The student by his act of registration concedes to the College the right to require his withdrawal any time deemed necessary to safeguard the ideals of scholarship and character, and to secure compliance with regulations. It is expected that the conduct of all campus citizens will conform to accepted standards. All students are required to respond to communications sent by any duly constituted authority of the College.

CLASS ATTENDANCE

Each student is held responsible for knowing and meeting all requirements for each course, including regular class attendance. Because of differences in various disciplines, specific regulations governing class attendance are set by each department, approved by the Dean of the College, and administered by the instructor. At the opening of each course the instructor will clearly inform the students of the regulations on class attendance. Violations of class attendance regulations will make the student liable to being dropped from the course with a failing grade, upon the recommendation of the instructor and with the approval of the Assistant Dean of the College.

Excused absences are granted by the Assistant Dean of the College only for bona fide medical and compelling personal reasons, or for participation in official functions of the College. Students on academic probation are permitted only excused absences.

Excused absences do not absolve the student from the necessity of fulfilling all course requirements.

ACADEMIC DISHONESTY

Instances of open and conclusive academic dishonesty are dealt with in accordance with the following regulations:

For the first offense the faculty member

shall have the authority to fail the student in the course.

For the second offense the student shall be failed in the course and additional action taken, up to and including expulsion from College, if deemed warranted by the Dean of the College.

For the third offense, if the second act of dishonesty did not warrant expulsion in the opinion of the Dean of the College, the student shall be punished by failure in the course and expulsion from the College.

CHAPEL-CONVOCATION PROGRAM

A chapel-convocation program is held regularly each week. The weekly programs are augmented by not more than eight additional events at other times during the semester. From this total of twenty-four programs each full-time student will select not less than twelve to fulfill his attendance requirement for the semester. For each unexcused absence, resulting in less than twelve attendances, one hour will be added to the hours required for graduation.

HAZING

Hazing is strictly prohibited. Any infringement by members of other classes upon the personal rights of freshmen as individuals is interpreted as hazing.

CARS AND STUDENT PARKING

Resident students of the three upper classes may have cars on campus. Resident freshmen students are not permitted to have cars.

All cars owned or operated by Lebanon Valley College students must be registered with the Office of the Dean of Men. Violations of established parking regulations will result in fines and may result in suspension or revocation of parking privileges.

TRANSCRIPTS

Each student, former student, or graduate is entitled to one transcript of his college record without charge. For each copy after the first, a fee of one dollar is charged.

REGULATIONS REGARDING ACADEMIC PROBATION, SUSPENSION, DISMISSAL, WITHDRAWAL

A. PROBATION

A student can be placed on academic probation by the Dean of the College or suspended or dismissed if his academic standing fails to come up to the grade-point average shown in the following table:

	Probation	Suspension or dismissal
1st semester.....	1.25	
2nd semester.....	1.50	1.25 cumulative
3rd semester.....	1.50	
4th semester.....	1.70	1.50 cumulative
5th semester.....	1.75	
6th semester.....	1.75	1.65 cumulative
7th & 8th semesters...	1.75	in all courses

A student placed on academic probation is notified of such status by the Dean of the College and informed of the College regulations governing probationers. Students on probation are required to regulate their work and their times so as to make a most determined effort to bring their work up to the required standard.



When a student is placed on academic probation, faculty and parents are notified by the Dean of the College. The Dean of the College may terminate the period of probation of any student. Usually this occurs at the end of a final marking period.

Infraction of the following regulations governing probationers render a student liable to dismissal:

1. No unexcused class absences will be permitted.
2. Any office or activity in any College organization that involves such expenditure of time as to jeopardize the successful pursuit of academic work must be relinquished.

B. SUSPENSION

1. A student who obviously fails to achieve at a level commensurate with his measured ability may be suspended for at least one semester.

2. A student suspended for academic reasons is not eligible for reinstatement for at least one semester, preferably two.

3. A student seeking reinstatement to Lebanon Valley College must apply in writing to the Dean of the College.

4. Students suspended for academic reasons are not permitted to register for work in the Auxiliary Schools except for the most compelling reasons and then only with the approval of the Assistant Dean of the College.

5. A student may be suspended without a prior period on probation.

C. DISMISSAL

A student dismissed for academic reasons is not eligible for readmission.

D. WITHDRAWAL FROM COLLEGE AND READMISSION

Official withdrawal from College is accomplished only by the completion of withdrawal forms obtained in the Office of the Assistant Dean of the College and Registrar. This is the sole responsibility of the student.

Application for readmission will be considered only if the formal withdrawal procedure has been followed at the time of withdrawal.

Student Activities



THE RELIGIOUS LIFE

Lebanon Valley College was founded as a Christian College and continues to be dedicated to this objective. All students are invited and urged to participate in some phase of religious activity.

THE CHAPEL-CONVOCATION PROGRAM

A series of twenty-four programs is held each semester from which each student selects a minimum of twelve to fulfill attendance requirements. These programs include chapel services and convocation programs that are held on Tuesday mornings, as well as cultural events selected by the Chapel-Convocation Committee. This committee, with equal representatives from administration, faculty, and students, will announce the total Chapel-Convocation program at the beginning of each semester.

Rationale of Chapel-Convocation Policy

This rationale attempts to clarify the aims and objectives of Lebanon Valley College as they relate to the chapel-convocation policy and program. These goals which have been duly published constantly remind us that this institution was chartered to promote the highest human possibilities. Two principal foci of our chapel-convocation policy and program are: (1) our conception of the distinctive nature of the liberal arts and (2) the character of the academic community we would consciously shape.

Every aspect of educational activity reflects qualitative concerns or a scale of values. The liberal arts inevitably raise fundamental questions which require honest regard for ultimate values and personal commitments. To insure responsible learning and human concern it is necessary to recognize the value-laden na-

ture of all knowledge. Indeed, the liberal arts are not so much courses of study as they are human attributes or personal qualities which enhance the possibility for rational discrimination, uncoerced decision, and responsible commitment. Chapel services and convocation programs are considered therefore not only an opportunity to focus honest criticism upon our qualitative concerns and scale of values, but they are offered as an integrating experience for the development of the whole person. Thus, we believe an authentic liberal arts experience will engender a sense of mystery, reverence, adoration, and celebration of the Highest. Such an experience can be most profitably exercised and creatively structured in communal worship and convocation programs.

Second, we believe a liberal arts college is a community of learning responsibly committed to humanistic values. But human values are not meaningfully experienced in abstraction or in isolation. Indeed, man is truly human only in community and therefore man can be correctly understood only when seen in relation to God and fellowman. As an institution we consciously attempt to shape this community with reference to the values we see in Jesus Christ whom we confess to be our highest norm of truth and goodness; in Him we see authentic humanity as God's intention for all men. This orientation is not in any way an exclusion or demeaning of non-Christians; rather, such a confession positively requires a good will and sincere openness to all persons without exception. When a college seeks community at its highest and deepest levels through corporate learning and worship it does so for the same reason it provides a library, gymnasium, theatre, or laboratory, namely, opportunity for the highest human development. Of course it is fatuous to as-

sume that every opportunity offered in college will prove to be an occasion for an enriching experience for every student; but that fact does not excuse the college from providing opportunities for experiences considered most essential to the realization of man's highest potential.

In summary, a liberal arts institution may engage in a sort of quasi-education and will fail to serve the whole person if it defaults in its confrontation with qualitative concerns, deflects from commitment to ennobling values, or denies the need for corporate celebration of life's highest good. Granted our conception of the nature of the liberal arts and the particular kind of community we seek to be, provision for corporate worship and convocation programs is integral to our total reason for being a liberal arts community committed to a definitive value-orientation, i.e. Christian, to life.

SUNDAY SERVICES

The United Methodist Church and the other churches of the community extend a warm welcome to all college students who wish to attend Sunday worship.

There are seven churches of different denominations in Annville itself. Other parishes of major religious groups not found in Annville are located within a five-mile radius of the College.

PROJECT

PROJECT is the all-campus organization which coordinates the activities of the various denominational religious groups on campus. It also provides programs and activities to fulfill the spiritual needs of the students and promotes the spirit of brotherhood in the college community. Throughout the year the organization sponsors a Big Sister-Little Sister, Big Brother-Little Brother program, faculty firesides where students spend an evening at home with the professors, and all-campus retreats for fun, fellowship, and relaxation. PROJECT also provides special seasonal services, opportunities for weekend work campus, presentations by guest speakers, films, dramas, and other types of programs. All students are

welcome to assist in the planning of and to participate in these activities.

DENOMINATIONAL ORGANIZATIONS

It is possible for the different denominations and faiths to organize their students into clubs or other type organizations. Each of these groups in turn elects one of its members to the Executive Board of PROJECT. Because of the newness of this policy the number of organized religious clubs is not yet very large.

RELIGIOUS EMPHASIS WEEK

This is one of the outstanding religious events of the school year. Notable speakers are invited to share their experiences with the student body through classroom lectures, seminars, convocations, and personal interviews.

THE BALMER SHOWERS LECTURESHIP

This annual lectureship was established and endowed by the late Bishop Emeritus J. Balmer Showers, '07, of the Evangelical United Brethren Church. Under the stipulations of the endowment, the lectures are delivered by distinguished scholars of recognized leadership in the areas of Christian faith and theology, biblical archaeology and interpretation, and Christian ethics of the Christian ministry.

RELIGION AND LIFE LECTURESHIPS

The purpose of the Religion and Life Lectureships is to deepen the student's understanding of some of the problems of life and the religious resources that are available to meet such problems. Each semester a Christian leader of national or international reputation is invited to spend a day on campus in order to confer with students and faculty, to conduct seminars, and to address the entire college community.

DELTA TAU CHI

Delta Tau Chi is an organization composed primarily of students who have decided to devote full-time service to church vocations. Membership is open, however, to all students who wish to participate in its activities and subscribe to its purpose. The group holds regularly scheduled meetings, and daily devotion, sends deputations to churches, conducts programs at various hospitals and homes, and enters into other community projects.

CAMPUS ORGANIZATIONS

SOCIAL ORGANIZATIONS

Five organizations endeavor to enrich the social program of the College by sponsoring social activities on the campus and in the community, and by broadening the experience of its members through group action.

Delta Lambda Sigma

Kappa Lambda Nu

Kappa Lambda Sigma

Knights of the Valley

Phi Lambda Sigma

RECOGNITION GROUPS

Students who have achieved scholastic distinction in their academic work or in certain areas are eligible for membership in honorary scholastic societies.

Phi Alpha Epsilon

Beta Beta Beta

Pi Gamma Mu

Psi Chi

HONORARY AND SERVICE ORGANIZATIONS

Six organizations exist to bring recognition to deserving music students and participants in dramatic activities or to function as service organizations on the campus.

Alpha Phi Omega

Alpha Psi Omega

Freshman Orientation Board

Gamma Sigma Sigma

Phi Mu Alpha

Sigma Alpha Iota

PUBLICATIONS

Practical experience in management, writing, and editorial work is available to students through membership on the staffs of the college yearbook and the campus newspaper.

The Quittapahilla

La Vie Collegienne

DEPARTMENTAL CLUBS

Many departmental clubs provide opportunities for students to participate in supplemental department activities. At regular meetings reports on appropriate topics are

presented and discussed. Other activities sponsored by the departmental clubs include lectures by specialists in the club's particular field of interest, educational films, and field trips.

Chemistry: American Chemical Society Affiliate

Economics: Investment Club

Education: Childhood Education Club, Student P.S.E.A.

English: Green Blotter Club

Mathematics: Industrial Mathematics Society Affiliate

Modern Languages: French Club, German Club, Russian Club

Physics: Physics Club, Student Section of the American Institute of Physics

Psychology: Psi Chi

Sociology: Sociology Club

DRAMATICS AND MUSIC

An opportunity to develop dramatic and musical talents under qualified leadership is offered to the students of Lebanon Valley College by the following organizations:

All-Girl Band

Chapel Choir

College Chorus

Concert Choir

Guild Student Group (American Guild of Organists)

Symphonic Band

Symphony Orchestra

Wig and Buckle Club

CULTURAL OPPORTUNITIES

Lebanon Valley College offers cultural programs in the form of the Great Artists Series, concerts by students, faculty members, and musical organizations in the Department of Music, and lectures sponsored by the various departments of the College. In addition, the neighboring communities of Harrisburg, Hershey, and Lebanon offer concerts, lectures, and other cultural activities throughout the year.

STUDENT GOVERNMENT

Ultimate responsibility for activities on the college campus rests with the faculty and the administration. However, the faculty and the administration have delegated powers and responsibilities to the student governing bodies so that, to a large extent, students govern themselves. The College encourages initiative and self-government as a part of the democratic training offered.

The representative organizations described below were established to function in areas of student government. They are privileged to conduct the affairs of the student body of Lebanon Valley College under their separate responsibilities so as to guide and promote the affairs of the students and in accordance with local, state and federal laws and general institutional rules.

STUDENT COUNCIL

The Student Council seeks to foster understanding and cooperation among the students, faculty and administration of Lebanon Valley College. It is the elected group that acts as the central clearing house for all recommendations and grievances, outside the area of responsibility of the Student Senate, which emanate from the student body. The Student Council also coordinates student activities and provides for the financing of those activities. It is composed of fifteen members.

STUDENT SENATE

The Student Senate, composed of twelve elected members, is the student disciplinary body. In addition to rendering decisions concerning student justice and assigning punishments for rule violations, it has the responsibility of establishing social rules and regulations in accordance with the general rules of the College. One of the key concepts that underlies student government is that it is the responsibility and obligation of each student to enforce the rules that have been established by the Student Senate. A Senate Handbook is distributed to all new students at the start of the school year.

STUDENT GOVERNMENT EXECUTIVE COMMITTEE

The highest authority in matters of student government at Lebanon Valley College is the Executive Committee. This group, composed of four students, two administrators, two faculty members, and the President of the College who serves as chairman, has authority to make major policy changes upon recommendation by the Student Senate or Student Council. It acts on matters or appeals referred to it by students, faculty members, administrators, the Student Senate, or the Student Council.

INSTITUTIONAL RULES

1. There shall be no dichotomy between rules for men and rules for women and there shall be unprejudiced equality in all aspects except security measures for women to be determined by the women.
2. Senior students and students twenty-one years of age and older are given preference in applying for permission to live off campus in the event the College is unable to furnish housing, provided preference is also given to students with such qualifications of age and class standing who are not on academic or social probation.
3. The possession and/or use of alcoholic beverages by any one on any property owned by Lebanon Valley College is prohibited.
4. Any interference with the educational or administrative processes of the institution is forbidden.
5. Women are not permitted to go to the rooms of men students nor men students to the rooms of women students except when "open house" is declared by the Senate. Parents and their guests may visit dormitory rooms from 12:30 p.m. to 5:00 p.m. on Saturday and Sunday only.
6. Gambling is forbidden on the campus.
7. Smoking is prohibited in all College buildings except in residents' rooms and where receptacles are provided.
8. Pets shall not be kept in the dormitories.

9. Resident freshmen shall be required to stay on campus every weekend except one prior to the Thanksgiving vacation.
10. Freshmen resident students are not permitted to have or drive motor vehicles in Annville at any time unless accompanied by a parent.

ATHLETICS AND RECREATION

Lebanon Valley College maintains a full program of intramural and intercollegiate athletic activities. Intramural leagues and tournaments are conducted in the various sports for men, while the women acquire points toward individual awards by participation in the women's intramural program.

The College participates in seven intercollegiate sports for men (basketball, cross-country, football, golf, lacrosse, track, wrestling) and two for women (basketball and hockey). There are two athletic organizations on the campus, the LV Varsity Club for men and the Women's Athletic Association.

Lebanon Valley College is a member of the following national and regional athletic associations: National Collegiate Athletic Association, Middle Atlantic States Collegiate Athletic Conference, Eastern Collegiate Athletic Conference, and Central Pennsylvania Field Hockey Association.



AIMS AND OBJECTIVES OF INTERCOLLEGIATE ATHLETICS

Lebanon Valley College supports its intercollegiate athletics program because it offers its students an opportunity to participate in activities that afford an outlet for competitive spirit and vitality, while further providing each student with an opportunity to develop, understand and appreciate the values of teamwork, pride, morale, dedication, physical fitness and school spirit.



Courses of Study



GENERAL INFORMATION

COURSE NUMBERING SYSTEM

Courses are numbered as follows: Generally, 1-19 indicates courses offered at the freshman level; 20-29 indicates courses offered at the sophomore level; 30-39 indicates courses offered at the junior level; 40-49 indicates courses offered at the senior level; 101-142 indicates courses in applied music.

If the academic year is not indicated after a course, it is understood that the course is offered every year. Courses that continue throughout the year are listed in two ways. If either semester may be taken as a separate unit, without the other semester, the course will be listed as a and b. For example, a student may take English 21b even though he has not had English 21a and does not expect to take it. But if no letter is indicated with the course number, a student may not enter the course at mid-year.

COURSE CREDIT

Semester hours of credit, class hours per week, and laboratory hours per week are indicated by three numbers immediately following the course title, i.e., "4:2:4 per semester" following "Biology 18" means four semester hours of credit, two classroom hours per week, and four laboratory hours per week each semester.





ART

Instructor Iskowitz

12. Introduction to Art.

3:3:0. Either semester.

Students are exposed to visual forms which are analyzed in an attempt to understand the nature of art through structure, the characteristics of media and content. The importance of shaping individual perception is stressed in order to show how the observer plays an active role in his appreciation for a work of art. Lecture, problems using old and new techniques are explained as well as the various media of the visual arts.

Prerequisite to other art courses.

14. Studio Drawing and Painting.

3:3:0. Either semester.

Problems offered which attempt to provide maximum opportunity for development of the creative capacity of the individual in terms of active involvement, with examination and exploration of the limits of inherent qualities of various media, techniques, and tools as related to various art forms. Introduction to printmaking, especially etching and woodcutting, is offered.

21a. Art History, Pre-history through the Middle Ages.

3:3:0. First semester.

Consideration of representative visual expressions of the major cultures of the successive historic periods included. Stress given to the interaction of factors influencing the various forms of visual expressions. Lecture, discussion, visual aids, and assignment of breadth to encourage individual research in area of developing interest.

Prerequisite: Art 12.

21b. Art History, Renaissance to Twentieth Century.

3:3:0. Second semester.

Study of the major forms of the visual arts representative of the Renaissance and succeeding centuries as expressed both by the individual and major schools. These viewed in terms of degree of reflection of the social, ideological, and economic foci of the period. Lecture, discussion, visual aids, supplementary assignments.

Prerequisite: Art 12.

32. Art in the Elementary School.

3:2:2. First semester.

Survey of theories of art education and of programs of creative process activities adaptive to the various levels of maturation at the elementary level. Studio experience employing a variety of media and techniques is offered to give experience and understanding to the problems involved. Practical knowledge of process, sources of supply, approaches to display, and trends in evaluation of process are presented through lecture, discussion, demonstration, visual aids, supplementary reading.

Prerequisite: Art 12.



BIOLOGY

Assistant Professor Wolf, Chairman; Assistant Professors Argot, Bollinger, and Wolfe; Adjunct Assistant Professor Malm

The work outlined in the following courses in biology is intended to develop an appreciation of man's relation to his universe, to acquaint students with those fundamental concepts necessary for the proper interpretation of the phenomena manifested by the living things with which they are surrounded, and to lay a foundation for specialization in professional courses in biology.

The courses are designed to prepare students for the work in professional schools, schools for medical technologists, hospital schools for training of nurses, for graduate work in colleges and universities, for teaching the biological sciences in high schools, and for assistantships in university and experiment station laboratories in the departments of agriculture and other government agencies.

Major: Biology 18 and 22, Chemistry 13, 24, and 25, Physics 10 or 17, Math 1 or three hours of mathematics other than Math 10 or Math 12, one semester of Biology 40.1, and sixteen additional hours in Biology.

14. Introduction to Biology.

3:2:2 per semester.

The central theme is human life, its relation to, and dependence upon, biological phenomena. The course is designed for the **non-science major**; however, modern concepts of chemistry and physics will be utilized to explain biological problems.

The laboratory includes exercises in botany, genetics, ecology, anatomy, and physiology.

18. General Biology.

4:3:4 per semester.

Representative forms of plant life are studied the first semester and representative forms of animal life the second semester. Structure, and biological laws and principles are stressed. This course or its equivalent is prerequisite to all other courses in the department.

Prerequisite or corequisite: Chemistry 13.

21. Microbiology.

4:2:4. First semester.

A basic study of the morphology, physiology, and biochemistry of representative micro-organisms.

22. Genetics.

4:3:2. Second semester.

This course deals with the mechanism and laws of heredity and variation, and their practical applications.

28. Botany. 4:2:4. Second semester.
The course is designed to deal with the broader aspects of plants, emphasizing a study of the taxonomic, ecological, evolutionary and pathological principles. Consideration will be given to the local flora, with emphasis being placed on those features which indicate relationships of the various families.

29. Biology of the Chordates. 4:2:4. First semester.
The anatomy of the chordates is studied from a comparative viewpoint with particular attention given to the correlation of structure to living conditions. Laboratory work involves dissection and demonstration of representative chordates.

30. Comparative Histology and Microtechnique. 4:2:4. First semester.
Microscopic anatomy of invertebrate and vertebrate tissues illustrating basic tissue similarities and specialization in relation to function. The laboratory work includes the preparation of slides utilizing routine histological and histochemical techniques.

31. Developmental Biology. 4:2:4. Second semester.
The study of basic descriptive phenomena in the development of typical invertebrate and vertebrate embryos will be extended into consideration of modern embryological problems.

32. Animal Physiology. 4:2:4. Second semester.
A study of the various tissues, organs, and systems of animals considered from a functional point of view.

34. Plant Physiology. 4:2:4. First semester.
This course acquaints the student with the various functions of parts of plants. It includes lectures and experimental work on the processes of photosynthesis, nutrition, respiration, growth, the role of hormones, digestion, absorption, etc.

35. Invertebrate Zoology. 4:2:4. Second semester.
A study of the anatomy, physiology, and life histories of representatives of most of the invertebrate phyla.

40.1. Biology Seminar. 1:1:0 per semester.
Readings, discussions, and reports on modern trends in biology.

41. Ecology. 4:2:4. First semester.
The fundamental concepts of ecology are examined with emphasis placed on the interaction between organisms and their biological and physical environment in selected ecosystems – freshwater, marine, and terrestrial. Field trips will be taken to selected areas. Laboratory work will be conducted on problems associated with various types of ecosystems.
Prerequisites: Two semesters of biology beyond Biology 18 or permission of the instructors.

44. Special Problems. 1-3 hours credit per semester.
Limited to students majoring in biology who have had ample courses in the department and whose records indicate that they can be encouraged to take part in research or can work independently on research problems in which they have a special interest.
It is also for those who have had most of the courses required for their major but who may have a special need for experience in fields not listed in the course offerings of the department. Students interested in a course in marine biology should elect Biology 44 in their senior year.
Prerequisite: Permission of staff.

45. Cell Physiology. 4:2:4. First semester.
A molecular approach to the study of the organization and function of the cell.
For senior or junior majors who have completed at least two years of chemistry.



CHEMISTRY

Professor Neidig, Chairman; Professor Lockwood; Associate Professor Griswold; Assistant Professors Lyndrup and Spencer; Instructor Bell

The aims of the department are: (1) to provide students majoring in chemistry rigorous training in the principles and applications of modern chemistry; (2) to provide students interested in the teaching profession an opportunity to become acquainted with the teaching of science; and (3) to offer students interested in advanced study or in industrial employment professional training in chemistry.

*Major: Chemistry 24, 25, 30.1, 30.2, 36, 37, 38, 39 and 4 hours of 44.
B.S. in Chemistry (certified by the American Chemical Society): Chemistry 24, 25, 30.1, 30.2, 36, 37, 38, 39, 41, 45, 47 and 4 hours of 44.*

For outline of course leading to the degree of B.S. in Chemistry, see pages 32-33.

INDEPENDENT STUDY

Juniors and seniors may participate in the Independent Study program if they have demonstrated a high scholastic ability and proficiency in both experimental and theoretical chemistry. To be recommended for departmental honors, a student is required: (1) to submit a thesis based on extensive laboratory investigation of an original problem; (2) to defend the thesis before an appropriate examining committee.

13. Principles of Chemistry. 4:3:3 per semester.

A systematic study of the fundamental principles and concepts of chemistry.

24. Chemistry of the Covalent Bond. 4:3:4. Second semester.

The presentation of the structure and chemistry of covalent compounds including thermodynamic and kinetic considerations.

Prerequisite: Chemistry 25.

25. Reaction Kinetics and Chemical Equilibria. 4:3:4. First semester.

An investigation of chemical systems involving a study of reaction kinetics and equilibria, emphasizing the reaction of ionic substances and using modern analytical methods.

Prerequisite: Chemistry 13 or demonstrated equivalent background.

30.1. Laboratory Investigations II. 2:0:8. Second semester.

Physical-chemical investigations of chemical systems.

Prerequisite: Chemistry 36 (first semester).

Corequisite: Chemistry 36 (second semester).

30.2. Laboratory Investigations III. 2:0:8. First semester.

Investigations of methods of synthesis and analysis of organic compounds including some physical-organic studies.

Prerequisite: Chemistry 24.

36. Physical Chemistry. 3:3:0 per semester.
 A course in the physical theories of matter and their applications to systems of variable composition.
 Prerequisites: Chemistry 25 and Mathematics 11.
 Corequisite: Physics 17.

37. Organic Chemistry. 3:0:0. First semester.
 A study of the preparation, properties, and uses of the aliphatic and aromatic compounds with emphasis on the principles and reaction mechanisms describing their behavior.
 Prerequisite: Chemistry 24.

38. Instrumental Analysis. 3:3:0. Second semester.
 A consideration of the use of instrumental analytical methods including spectrophotometric, electroanalytical, coulometry, and polarography.
 Prerequisite: One semester of Chemistry 36.
 Corequisite: A second semester of Chemistry 36.

39. Laboratory Investigations I. 1:0:4 per semester.
 Use of instrumental techniques for investigating chemical systems.
 Prerequisite: Chemistry 24.
 Corequisite: Chemistry 36.

41. Advanced Organic Chemistry. 3:3:0. Second semester.
 A consideration of the structure of organic compounds and the mechanisms of homogeneous organic reactions.
 Prerequisites: Chemistry 36 and Chemistry 37.

43. Biochemistry. 4:3:4. First semester; 3:2:4. Second semester.
 A course in the physical and organic aspects of living systems.
 Prerequisite: Chemistry 25 and Chemistry 37.

44. Special Problems. 2:1:4 per semester. A maximum of eight semester hours credit may be earned in this course.
 Intensive library and laboratory study of topics of special interest to advanced students in the major areas of chemistry. For students preparing for secondary school teaching, the emphasis is placed on methods of teaching chemistry.
 Prerequisites: Chemistry 36, and the consent of the Chairman of the Department.

45. Advanced Analytical Chemistry. 3:3:0. First semester.
 A study of advanced topics in analytical chemistry.
 Prerequisites: Chemistry 36 and Chemistry 38.

46. Qualitative Organic Analysis. 2:0:8. First semester.
 Presentation of the principles and methods of organic analysis.
 Prerequisite: Chemistry 37.

47. Advanced Inorganic Chemistry. 3:3:0 per semester.
 An advanced course applying theoretical principles to the understanding of the descriptive chemistry of the elements.
 Prerequisites: Chemistry 36 and Physics 27.

48. Advanced Physical Chemistry. 3:3:0. Second semester.
 A presentation of advanced topics in chemistry from such areas as quantum mechanics, thermodynamics, and kinetics.
 Prerequisite: Chemistry 36.

COMPUTER PROGRAMMING

Associate Professor Griswold

1. BASIC Computer Language. 0:1:0. Either semester.
 Introduction to the BASIC Language.



ECONOMICS AND BUSINESS ADMINISTRATION

Professor Tom, Chairman; Assistant Professors Maniyar and Peterke; Instructor Grace

The aim of Lebanon Valley College is to give its students the opportunity to procure a liberal education of the highest quality. Thus within this general objective of the College, the program of study in economics and business administration at Lebanon Valley College is designed to provide for its own major:

1. A broad and liberal education so that graduates of this department will play a more active role in our changing world of ideas and actions; and
2. A sound and integrated knowledge of the essential principles and problems of economics and business administration.

Major: Economics 20a-20b, first semester of Economics 23, Economics 35, 36, 40.2, 40.3 and 48, and 6 additional hours as approved by the adviser.

For an outline of the suggested program in Economics and Business Administration, see pages 34-35.

Economics 20a-20b is a prerequisite for all courses in this department of a higher number except Economics 23 and 32a-32b.

A concrete effort is afoot nationally to promote an understanding of the American economy. In an effort to raise the level of economic literacy, the Commonwealth of Pennsylvania and other states have prescribed the introduction of economics in the secondary schools. The Department of Economics and Business Administration offers an approved program for the granting of Teacher Certification in Comprehensive Social Studies with a major in Economics as approved by the Department of Education of the Commonwealth of Pennsylvania.

INDEPENDENT STUDY

The purpose of the departmental Independent Study program is to provide opportunity for capable students to undertake advanced academic work independently under supervision of one or more members of the department.

In order to participate in the departmental Independent Study program, the applicant is required to:

1. demonstrate in his academic work the caliber of scholarship required to undertake extensive research projects;

2. apply for and receive permission for such participation from the departmental chairman and from the Dean of the College no later than the end of the first semester of the junior year;
3. obtain departmental approval of a research project;
4. prepare a paper on the research project under the guidance of one or more staff members of the department;
5. submit the paper in April of the senior year; and
6. present and defend the paper before a faculty committee selected by the departmental chairman and the Dean of the College.

On the basis of the student's performance in the Independent Study program, the departmental chairman and the Dean of the College will determine whether or not the student will be graduated with departmental honors.

ECONOMICS

20a-20b. Principles of Economics.

3:3:0 per semester.

An introductory course in economic principles: consumption, production, banking and monetary theories and policies, governmental activities and fiscal policies, price system and allocation of resources, price levels and business fluctuation, theory of employment and income, and international economics.

Prerequisite for courses of a higher number within the department, except 23 and 32a-32b.

36. Money and Banking.

3:3:0. Second semester.

Nature and functions of money and credit, credit instruments and the money market, development and role of commercial banking and central banking, and structure and functions of the Federal Reserve System. Monetary and banking theory, policy, and practice. Influence on prices, level of income and employment, and economic stability and progress.

37. Public Finance.

3:3:0. First semester.

Revenues and expenditures and economic functioning of the federal, state, and local governments; principles of taxation—shifting, incidence, and burden; influence on incentives, income distribution, and resource allocation; economic and social aspects of public spending; budgetary control and debt management; fiscal policy and economic stability.

38. International Economics.

3:3:0. First semester.

A study of theories of trade; capital movement; mechanism for attaining equilibrium; economic policies such as tariff, quota, monetary standards and exchange, state trading, cartel, and other economic agreements; the International Monetary Fund and the International Bank for Reconstruction and Development.

40.1. History of Economic Thought.

3:3:0. Second semester.

The evolution of economic thought through the principal schools from Mercantilism to the present. Attention will be given to the analysis of the various theories of value, wages, interest, rent, profit, price level, business cycles, and employment, and to the influences of earlier economic ideas upon current thinking and policy-making.

40.2. Microeconomic Analysis.

3:3:0. First semester.

Theories of demand, production, price, and resource allocation.

40.3. Seminar and Special Problems.

3:3:0. Hours to be arranged.

Independent study and research in economics, business administration, or accounting under the direction and supervision of the departmental staff.

40.4. Macroeconomic Analysis. 3:3:0. Second semester.
Theoretical and empirical study of national income and business cycles.

41. Economic Growth. 3:3:0. First semester.
Theoretical and empirical study of economic development.

46. Econometrics. 3:3:0. Second semester.
An introductory application of mathematical concepts and statistical methods to economic theories and policies.

48. Labor Economics. 3:3:0. First semester.
Analysis of the American labor movement; theories, history, structure, and functions of unionism; individual and collective bargaining policies and practices; labor legislation; grievances; arbitration.

BUSINESS ADMINISTRATION

23. Principles of Accounting. 4:3:2 per semester.
Accounting principles and their application in service, trading, and manufacturing business operating as single proprietorships, partnerships, and corporations. Topics studied include: the accounting cycle—journalizing, posting, worksheet, financial statements, adjusting, closing; basic partnership problems—formation, distribution of profits, dissolution; corporation and manufacturing accounting; basic problems of depreciation, depletion, valuation; introduction to analysis, interpretation, and use of financial statements.
Accounting, a language of business, provides a tool to implement work in other fields of business administration.

30. Intermediate Accounting. 3:3:0. First semester. Offered 1972-1973.
- Intensively covers valuation accounting relating to working capital items—cash, temporary investments, receivables, inventories, current liabilities; non-current items—investments, plant and equipment, intangible assets and deferred charges, and long-term liabilities; and corporate capital. Includes nature of income, cost, and expense; statement of source and application of funds; and statement preparation and analysis. Attention is given to relevant official pronouncements in accounting. CPA examination accounting theory questions are utilized.
Prerequisite: Economics 23.

31. Advanced Accounting. 3:3:0. Second semester. Offered 1972-1973.
Accounting for joint ventures; special sales procedures—installment, consignment, agency and branch; parent and subsidiary accounting—consolidations and mergers; fiduciary and budgetary accounting—statement of affairs, receivership, estates and trusts, governmental accounting; foreign exchange; insurance; actuarial science and applications. Attention is given to relevant official pronouncements in accounting. CPA examination accounting problems are utilized.
Prerequisite: Economics 30.

32a-32b. Business Law. 3:3:0. per semester. Offered 1972-1973.
Elementary principles of law generally related to the field of business including contracts, agency, sales, bailments, insurance, and negotiable instruments.

35. Marketing. 3:3:0. Second semester.
As a branch of applied economics, this course deals with (1) the application of economic theory in the distribution of economic goods on the manufacturers' and wholesalers' level; (2) the methods of analysis on the product, the consumer, and the company, and (3) the administrative decisions on product planning, distribution channels, promotional activities, sales management, and price policy. To bridge the gap between the understanding and the application of marketing principles, students are required to prepare and discuss a number of cases pertaining to some specific areas of marketing.

40.5. Auditing. 3:3:0. First semester. Offered 1971-1972.
Study and appraisal of current auditing standards and related literature.
Prerequisite: Economics 23.

42. Income Tax Accounting. 3:3:0. Second semester. Offered 1971-1972.
Analysis of the Federal Income Tax Law and its applications to individuals, partnerships, fiduciaries, corporations; case problems; preparation of returns.
Prerequisite: Economics 23, or consent of instructor.

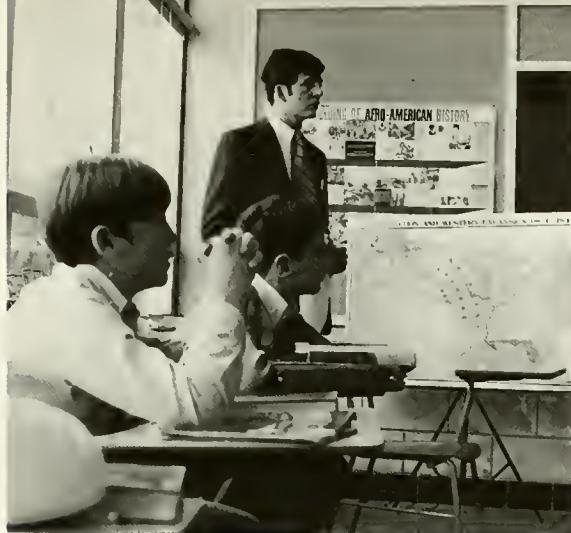
43. Cost Accounting. 3:3:0. Second semester. Offered 1971-1972.
Industrial accounting from the viewpoint of material, labor, and overhead costs; the analysis of actual costs for control purposes and for determination of unit product costs; assembling and presentation of cost data; selected problems.
Prerequisite: Economics 23.

44. Corporation Finance. 3:3:0. First semester.
A study of organizing a business, financing permanent and working capital needs, managing income and surplus, expanding through internal growth and combination, recapitalization and reorganization. Forms of business organization; charter and by-laws; directors, officers, and stockholders; stocks and bonds; dividend policy; concentration and anti-trust legislation.
Prerequisite: Economics 23.

45. Investments and Statement Analysis. 3:3:0. Second semester.
Development and role of investment and its relation to other economic, legal, and social institutions. Investment principles, media, machinery, policy, and management are discussed. Financial statement analysis is stressed and designed for preparation as Certified Public Accountants and/or Chartered Financial Analysts.

49. Industrial Management and Personnel Administration. 3:3:0. First semester.
Principles of decision making in business management. Personnel policies and practices.





EDUCATION

Professor Ebersole, Chairman; Associate Professor Weast; Assistant Professors Herr, Kerr, and Petrofs

The aim of the Department of Education is to acquaint students with the art of teaching and to develop in each prospective teacher a full realization of his responsibilities in this profession.

For a statement of requirements for those planning to enter the teaching profession, see pages 36-37 and 44-46.

ELEMENTARY EDUCATION

Major: Elementary Education 22, 23, 34, 36, 37, 40, 43, 44; Art 32; Geography 10; Psychology 21.

INDEPENDENT STUDY

Independent Study in elementary education permits the capable student to increase the depth of his understanding in an area of special interest and the general scope of his knowledge of elementary education. It is planned as an integral part of the student's major program rather than work superimposed upon it.

A student majoring in elementary education may participate in the Independent Study program when he completes the freshman-sophomore College Honors Program or when he demonstrates in his academic work the caliber of scholarship required to undertake an extensive research project; achieves a 3.3 grade-point average in departmental courses and a 3.0 grade-point average in all college courses; applies in writing to the chairman of the department not later than the end of the first semester of his junior year. Approval of the application must be given by the Dean of the College upon recommendation by the department staff.

A maximum of nine credit hours may be earned in this program. These hours will be distributed over the junior and senior years with a minimum of one and a maximum of three hours to be taken in one semester. This must include participation in the Senior Seminar, Elementary Education 44, required of all students majoring in elementary education. The student will investigate an area of special interest begin-

ning with the study of the literature and culminating in the design and execution of an approved experimental or theoretical research project; submit to the departmental chairman periodic progress reports and any other indication of performance that may be required by the department; complete the project by April of the senior year; report and defend the findings of the project in a manner to be determined by the departmental staff.

Graduation with Honors in Elementary Education will depend on the quality of performance in the research project, the maintenance of the grade point averages required for admission to the program, success in the comprehensive student-teaching program, and the final approval of the departmental staff and the Dean of the College.

EDUCATION COURSES For Both Elementary and Secondary Education

20. Social Foundations of Education.

3:3:0. Either semester.

A study is made of the history of education correlated with a survey of the principles and theories of noted educational leaders. Emphasis is placed on the influence these leaders and their followers have made on school and society.

Required for elementary and secondary certification.

30. Educational Measurements.

3:3:0. First semester.

A study of the principles of validity and reliability, appraisal and construction of test items and consideration of the uses of test results.

Recommended elective in elementary and secondary fields.

Prerequisite: Psychology 20.

41. An Introduction to Guidance.

3:3:0. Second semester.

An overview of guidance in the public schools including the history, philosophy and development of programs. Procedures and instruments to be employed by the classroom teacher; creation of conditions for mental health; relation of guidance to other phases of instruction.

Prerequisites: Education 20; Psychology 20 and 23.

42. The Education of the Exceptional Child.

3:3:0. Second semester.

A general view of the practices and programs for the education of exceptional children and youth. The study includes children with physical, mental, and emotional handicaps; gifted children. Observation in special classes, child study, and the survey of curricular materials used in their education are part of the requirements.

Prerequisites: Education 20; Psychology 20 and 23.

45. Visual and Sensory Techniques.

3:3:0. Second semester.

Psychological bases for sensory aids; study and appraisal of various aids; use of apparatus; sources of equipment and supplies.

Recommended elective in elementary and secondary fields. Open only to seniors preparing to teach or enter the ministry.

Prerequisites: Education 20; Psychology 20 and 23.

ELEMENTARY EDUCATION

EI. Ed. 22. Music in the Elementary School.

3:3:0. Second semester.

Fundamentals of music, movement to music, study of child voice, materials and methods for the different grades, and a survey of the literature used in the public schools.

EI. Ed. 23. The Physical Sciences in the Elementary School.

3:2:2. Second semester.

Recent developments in arithmetic and science and the applications in the classroom; curriculum planning; modern teaching methods; instructional materials; demonstrations and

experiments adapted to the elementary classroom.

Prerequisites: Elementary Education 25; one year of a laboratory science.

El. Ed. 25. Mathematics for the Elementary Grades.

3:3:0. Second semester.

An introduction to the fundamental concepts of mathematics and a survey of the new and old in mathematical disciplines as applied in the elementary school.

El. Ed. 34. Teaching of Reading.

3:3:0. First semester.

A study of the problems and procedures of instruction in the development of basic reading skills. Effective reading programs, courses of study, teaching and learning materials, and research studies in this field are investigated and evaluated.

El. Ed. 36. Communications and Group Processes in the Elementary School. 3:2:2 per semester.

A course dealing with fundamentals for language growth in the areas of oral and written expression, correct usage, spelling, and handwriting. The development of basic concepts related to effective citizenship in a democracy. A variety of learning experiences and materials will be used and evaluated; especially, students will have experience in preparing an individual resource unit.

El. Ed. 37. Children's Literature.

3:3:0. Second semester.

A study of the literature of childhood, including authors and illustrators. Attention is given to children's reading interests, criteria and aids in selecting materials, a brief survey of the development of children's literature, and the art of storytelling and its place in the curriculum.

El. Ed. 40. Student Teaching.

Twelve semester hours credit. First semester.

Each student spends an entire semester in a classroom of an area public school under the supervision of a carefully selected cooperating teacher. Open to seniors only. A cumulative grade point average of 2.0 during the first six semesters in college is required.

Student teaching begins with the opening of the public schools. College residence halls and dining hall are available to the student teachers.

Prerequisites: Education 20; Psychology 23; Elementary Education 23, 34, 36 and 37.

El. Ed. 43. Health and Safety Education.

3:3:0. Second semester.

The course includes a study of basic health and safety practices and procedures as applied to the elementary school, a program of physical education for elementary school children, an American Red Cross approved program of First Aid, and an evaluation of sources and use of materials.

Prerequisites: Education 20; Psychology 23.

El. Ed. 44. Senior Seminar.

3:3:0. Second semester.

The semester gives immediate help with pertinent problems in student teaching. Topics related to over-all success in teaching will be thoroughly dealt with: professional ethics, classroom management, home and school relationships, community responsibilities, professional standards, and other related areas.

SECONDARY EDUCATION

40. Student Teaching.

Nine semester hours credit. Either semester.

Given only to seniors as a part of the professional semester. Each student spends full time in the classroom for a minimum of 9 weeks.

This course fulfills the Pennsylvania certification requirement.

Prerequisites: Education 20 and 49; Psychology 23.

49. Practicum and Methods.

3:7½:0. Either semester.

This course is designed to acquaint the students with some basic behaviors in the classroom that will help the prospective teacher in any subject area. A text serves as a source of information about "methods of teaching" and planning. Students work independently on the problems of reading in their particular fields. Visits to the area schools, class presentations by teachers from these schools and the students' video-taped presentations for their own analysis all help to prepare them for the student teaching experience.

Required of all seniors in secondary education.

Prerequisite: Education 20.





ENGLISH

Associate Professor Ford, Chairman; Professor Faber; Professor Emeritus Struble; Assistant Professors Billings, O'Donnell, and Woods; Instructor Ramsay

The purpose of the Department of English is to afford students a vital contact with the literature of our language and to assist them to write and speak effectively.

Major: In addition to the required course in English composition (English 10a-10b) English majors will take English 20a-20b, English 21a or 21b, 22, 26a-26b, 30a-30b, 31, 32, 35, and 49.

INDEPENDENT STUDY

The Department of English provides three types of recognition of superior ability:

1. Entering students of proved ability in English composition may under certain circumstances be exempted from one or both semesters of English 10, providing they register for enough additional hours in literature to meet the general requirements in English for graduation.
2. Students who are majoring in English may become candidates for departmental honors if they have a grade point average of 3.0 in courses in English, and if they receive permission from the chairman of the department and the Dean of the College, ordinarily no later than the end of the first semester of their junior year.

The specific program for departmental honors for each student accepted for the Independent Study program will be worked out by that student in consultation with the chairman of the department, in accordance with the plan for departmental honors adopted by the faculty on May 8, 1961.

3. A senior who has been accepted for honors and who looks forward to a career in college teaching may, upon recommendation of the chairman of the department and appointment by the Dean of the College, become an intern in English, to render such assistance in the duties of the Department of English as will in some measure help to prepare him for a professional career in this field. Ordinarily only one intern will be appointed in any one academic year.

10a-10b. English Composition.

3:3:0 per semester.

A study, supplemented by practice in writing, of the principles of composition and of the cultural context within which men must communicate effectively.

11a—11b. Word Study. 1:1:0 per semester.
This course has a twofold purpose: (1) to give the student some insight into linguistic processes, particularly as pertains to the growth of the English vocabulary; and (2) to increase the range of the student's vocabulary, in order that he may have greater mastery over his own native tongue. Problems of pronunciation and spelling go hand in hand with vocabulary building.

20a—20b. Comparative Literature. 3:3:0 per semester.
This course has four principal aims: (1) to familiarize students with some of those masterpieces of Western World literature which are a part of the common heritage of every cultivated mind; (2) to acquaint students with the conventions, techniques, and presuppositions of various types of literature, so that they may be able to deal intelligently with these types when they meet them elsewhere; (3) to provide students with genuinely aesthetic experiences, in the hope that reading and the appreciation of literature will continue to enrich their spirits throughout their lives; and (4) to pass on to them some sense of the underlying values of our cultural system.

21a—21b. American Literature. 3:3:0 per semester.
First semester: a survey of American literature from the beginnings to the Civil War.
Second semester: a survey of American literature from the Civil War to the present day.

22. Oral Communication. 3:3:0. Either semester.
This course is designed to establish basic concepts, understandings, and attitudes concerning the nature and importance of oral communication and to provide experience in speaking and in competent criticism of these activities.

23. Creative Writing. 3:3:0. First semester.
The Writing of Poetry and the Writing of Fiction in alternate years.

24. Contemporary Literature. 3:3:0. First semester.
A study of selected prose and poetry produced in America and England since World War I.

26a-26b. Survey of English Literature. 3:3:0 per semester.
A study of English literature from the beginnings to our own time, viewed in perspective against the background of English life and thought.
Prerequisite: English 10a-10b.

30a-30b. Shakespeare. 3:3:0 per semester.
A survey of English drama from its beginnings to and including Shakespeare: (a) a study of Shakespeare's history plays and their place in the Elizabethan world, and an analysis of early Shakespearean comedy; (b) a study of Shakespeare's major tragedies, the problem comedies, and the late romantic comedies.
Prerequisite: English 20 or 26 or consent of the instructor.

31. History of the English Language. 3:3:0. First semester.
Historical study of English sounds, grammatical forms, and vocabulary; introduction to structural linguistics; standards of correctness and current usage. This course is primarily intended for those who plan to teach English and is in part a course in methods of teaching.
Prerequisite: English 20 or 26 or consent of the instructor.

32. Chaucer. 3:3:0. Second semester.
Intended to give the student a reasonable familiarity with Chaucer; to provide a detailed picture of mediaeval life, culture, and thought; and to develop skill in the reading of earlier English.
Prerequisite: English 31.

33. **Literature of the Victorian Period.** 3:3:0. First semester. Survey of the nineteenth century as seen through the literature and other arts produced from 1830 to 1915. Prerequisite: English 20 or 26 or consent of the instructor.

35. **Poetry of the Romantic Movement.** 3:3:0. Second semester. A study of the principal poets of the early nineteenth century: Woodsworth, Coleridge, Byron, Shelley, and Keats. Prerequisite: English 20 or 26 or consent of the instructor.

36. **Seventeenth Century Literature.** 3:3:0. Second semester. Offered 1971-1972. A study of seventeenth century prose and poetry from the late Elizabethans to John Milton within the context of seventeenth century thought.

37. **Contemporary Drama.** 3:3:0. Second semester. A survey-workshop of Continental, British, and American drama from Ibsen to the present. Prerequisite: English 10a-10b.

38. **The Novel.** 3:3:0. First semester. Offered 1971-1972. A study of the development of the novel in England from Richardson to Joyce.

40. **Eighteenth Century Literature.** 3:3:0. First semester. Offered 1972-1973. A survey of the principal English authors from Dryden to Blake.

49. **Seminar in English.** 3:3:0. Second semester. A study of the Western tradition of literary criticism and an application of practical critical concepts.





FOREIGN LANGUAGES

Professor Piel, Chairman; Associate Professors Damus, Titcomb, and Troutman; Assistant Professors Cantrell, Cooper, and Jeannet; Adjunct Instructors Hansen and Saylor; Teaching Aides Gavilanez, Lorenz, and Picq

The immediate aim of this department is to assist the student to acquire a working knowledge of the language or languages which he chooses to study.

The aim of the courses in modern foreign languages is to enable the student to use the foreign tongue as a means of communication: to hear, speak, and eventually to read and write the language. Through his study of the language and literature, the student gains a deeper understanding and appreciation of the life and thought of the people of the country.

Laboratory practice is required of all students in modern foreign languages except those in German 11.

Major: A student may elect either a major in one language or a departmental major. The departmental major consists of at least twenty-four hours in one language and at least twelve hours in a second language.

In French, German and Spanish, one advanced literature course is offered each year, in a regular rotation of courses.

INDEPENDENT STUDY

Students who are majoring in a foreign language may become candidates for departmental honors if they have a grade point average of 3.0 in departmental courses, and if they receive permission from the departmental staff and the Dean of the College, ordinarily no later than the end of the first semester of their junior year.

Honors work will involve the selection of a topic for investigation under the guidance of the departmental adviser, independent reading and study, frequent conferences with the adviser, preparation of a paper on the topic to be submitted by April 1 of the senior year, satisfactory defense of the paper before a committee composed of the departmental staff, the Dean of the College, and any other faculty members who may be invited to participate, and finally, an oral examination in the major language. If these requirements are satisfied, the student will be graduated with Honors in his major language.

FRENCH

Major: Twenty-four hours above the elementary level.

1. Elementary French. 3:3:0 per semester.
A beginning course in French; audio-active technique.

10. Intermediate French. 3:3:0 per semester.
A continuation of French 1 with further practice in conversation, dictation, and in reading and writing. Attention is given to the cultural and historical background of the literature that is read.
Prerequisite: French 1 or two years of secondary school French.

***15. Introduction to French Literature.** 3:3:0 per semester.
A general language review with intensive practice in the four basic language skills through a study of selected literary works in their cultural and historic contexts.
Prerequisite: Four years of secondary school language or three years for specially qualified students.

20. French Literature of the Sixteenth and Seventeenth Centuries. 3:3:0 per semester.
A survey of the literary history of the Renaissance and of the Classic periods in France.

30. French Literature of the Eighteenth and Nineteenth Centuries. 3:3:0 per semester.
A study of the outstanding works of the Age of Enlightenment and of the Romantic, Realist, and Naturalist Schools of French literature.

40. French Literature of the Twentieth Century. 3:3:0 per semester.
A study of modern French literature with extensive reading of the works of the outstanding authors.

45. Seminar. 1-3 hours credit per semester.
This seminar is designed to supplement and integrate the student's knowledge, to stimulate individual study and research, and to prepare him for future work in his field. The course content varies according to the needs of the group involved. For those students who are planning to teach, the seminar will provide instruction in teaching methods.

GERMAN

Major: Twenty-four hours above the elementary level.

1. Elementary German. 3:3:0 per semester.
A beginning course in German; audio-active technique.

10. Intermediate German. 3:3:0 per semester.
A continuation of German 1 with practice in conversation, dictation, reading and writing. Emphasis is given to the cultural and historical background of the literature that is read.
Prerequisite: German 1 or two years of secondary school German.

11. Scientific German. 3:3:0 per semester.
Practice in reading scientific and technical German with emphasis on vocabulary and the special difficulties inherent in this type of writing. General readings followed by readings in the student's major field.

***15. Introduction to German Literature.** 3:3:0 per semester.
A general language review with intensive practice in the four basic language skills through a study of selected literary works in their cultural and historic contexts.
Prerequisite: Four years of secondary school language or three years for specially qualified students.

* Note: Successful completion of the first semester will satisfy the language requirement for graduation and successful completion of the second semester will provide three credits toward distribution requirements in humanities.

22. The Classical Period. 3:3:0 per semester.
Background of the Classical Period; detailed study of the period; readings from the works of Lessing, Goethe and Schiller.

32. German Literature of the Nineteenth Century. 3:3:0 per semester.
Romanticism; Realism.

42. German Literature of the Twentieth Century. 3:3:0 per semester.
A study of contemporary German literature with extensive reading of the works of the outstanding authors.

45. Seminar. 1-3 credits per semester.
This seminar is designed to supplement and integrate the student's knowledge, to stimulate individual study and research, and to prepare him for future work in his field. The course content varies according to the needs of the group involved. For those students who are planning to teach, the seminar will provide instruction in teaching methods.

GREEK

1. Elementary Greek. 3:3:0 per semester. Offered 1971-1972.
An intensive course in the basic elements of ancient Greek. A study of forms and syntax, with easy prose composition.

10a-10b. Intermediate Greek. 3:3:0 per semester. Offered 1972-1973.
First semester: readings from the New Testament Gospels.
Second semester: readings from Xenophon's *Anabasis*. A review of grammar throughout the year.
Prerequisite: Greek 1.

20. Readings from the Book of Acts. 3:3:0. First semester. Offered 1971-1972.
Prerequisite: Greek 10a-10b.

21. Readings in Hellenistic Greek. 3:3:0. Second semester. Offered 1971-1972.
Selections from the Septuagint, the Greek church fathers.
Prerequisite: Greek 10a-10b.

30. Readings from the Epistles of Paul. 3:3:0. First semester. Offered 1972-1973.
Prerequisite: Greek 10a-10b.

31. Readings from the Greek Philosophers. 3:3:0. Second semester. Offered 1972-1973.
Prerequisite: Greek 10a-10b.

RUSSIAN

1. Elementary Russian. 3:3:0 per semester.
An elementary course with oral-aural approach.

10. Intermediate Russian. 3:3:0 per semester.
An intermediate course in Russian with continued conversational practice; reading and writing.
Prerequisite: Russian 1 or two years of secondary school Russian.

SPANISH

Major: Twenty-four hours above the elementary level.

1. Elementary Spanish. 3:3:0 per semester.
A beginning course in Spanish; audio-active technique.

10. Intermediate Spanish. 3:3:0 per semester.
 A continuation of Spanish 1 with further practice in conversation, dictation, and in reading and writing. Attention is given to Spanish literature in its cultural and historical context.
 Prerequisite: Spanish 1 or two years of secondary school Spanish.

***15. Introduction to Spanish Literature.** 3:3:0 per semester.
 A general language review with intensive practice in the four basic language skills through a study of selected literary works in their cultural and historic contexts.
 Prerequisite: Four years of secondary school language or three years for specially qualified students.

22. Spanish Literature of the Sixteenth and Seventeenth Centuries. 3:3:0 per semester.
 Reading of outstanding authors of the sixteenth and seventeenth centuries, with emphasis upon Cervantes, Lope de Vega, and Calderon. Composition and conversation.

32. Spanish Literature from the Eighteenth to the Twentieth Centuries. 3:3:0 per semester.
 Extensive reading, composition and conversation.

42. A Survey of Spanish and Latin American Literature. 3:3:0 per semester.
 First semester: a survey of Spanish literature from the Middle Ages to the present. Intensive reading, composition, and conversation.
 Second semester: a survey of Latin American literature from the sixteenth century to the present. Intensive reading, composition, and conversation.

45. Seminar. 1-3 hours credits per semester.
 This seminar is designed to supplement and integrate the student's knowledge, to stimulate individual study and research, and to prepare him for future work in his field. The course content varies according to the needs of the group involved. For those students who are planning to teach, the seminar will provide instruction in teaching methods.

GEOGRAPHY

Mr. Kerr

10a-10b. World Geography 3:3:0 per semester.

A basic course in geography to develop a knowledge and an appreciation of the worldwide physical factors in man's environment and of his adjustment to them. The course includes a study of the motions of the earth, land forms, bodies of water, soil, climate, vegetation, with special emphasis on man's political, economic, and social responses to them. Knowledge of the location of both the physical and cultural aspects of man's habitat is related to contemporary events.

GEOLOGY

20a-20b. Structural and Historical Geology. 2:2:0 per semester. (Not offered 1971-1972.)

The first semester, structural geology, acquaints the student with the forces and dynamic agencies by which the earth has been formed and has evolved into its present condition.

The second semester, historical geology, deals with the probable location of land and sea areas of each of the various geologic periods, and the development of the plants and animals which lived during periods as identified by their fossil remains.

GERMAN

See Foreign Languages, page 79.

GREEK

See Foreign Languages, page 80.

* Note: Successful completion of the first semester will satisfy the language requirement for graduation and successful completion of the second semester will provide three credits toward distribution requirements in humanities.



PHYSICAL EDUCATION

Assistant Professor McHenry, Chairman; Assistant Professor Petrofes; Instructors Gaeckler, Garman, and Rogerson

The aims of this department are (1) to encourage attitudes and habits of good total health; (2) to develop the student's physical capacities; (3) to provide activities which will enrich his leisure throughout life.

In addition to the family physician's report, it is strongly recommended that all entering students also undergo a thorough visual examination.

Students are required to wear the regulation gymnasium outfit, which may be purchased at the college bookstore.

Physical Education (Men) (Women)

0:2:0 per semester.

(Men) The physical education activities include: physical fitness, touch football, basketball, softball, volleyball, archery, badminton, golf, handball, squash, wrestling, tennis, speedball, swimming, soccer, lacrosse, paddle ball, gymnastics, circuit training, weight training, and care and prevention of injuries.

(Women) The physical education activities include: soccer, softball, swimming, golf, archery, volleyball, badminton, table tennis, tennis, gymnastics, calisthenics, field hockey, squash, basketball, and modern dance.

Corrective and Adaptive Physical Education (Men)(Women)

0:2:0 per semester.

Special activities, as prescribed by a physician, for students with physical handicaps or deficiencies.

Not open to students qualified for Physical Education.



HISTORY AND POLITICAL SCIENCE

Professor Geffen, Chairman; Associate Professor Fehr; Assistant Professor Joyce; Instructor Kilgore

The aim in the teaching of history is to acquaint the student with human behavior in the dimension of past time, in the belief that by thus extending the range of his knowledge he may also enlarge the scope of his sympathies and become more richly human.

The aim in the teaching of political science is to acquaint the student with the many-sided aspects of government, in the belief that by thus enlarging the extent of his knowledge he may expand the scope of his understanding and adopt a critical and objective attitude toward the problems of modern society.

The department also prepares students for graduate and law schools and for careers in teaching, government, and business.

HISTORY

Major: History 10a-10b, 13, 43; two courses from among History 11, 12, 21, 22, 31, 32; History 24a and 40a-40b or History 24b and 30a-30b; one course from among History 41, 46, 47, 48. History 30a-30b and 40a-40b may be taken in place of the combinations of these courses with History 24.

INDEPENDENT STUDY

Students majoring in history may participate in the Independent Study program when they fulfill the following requirements: (1) demonstrate in their academic work the caliber of scholarship required to undertake an extensive research project; (2) achieve a 3.3 grade point average in departmental courses and a 2.5 grade point average in all college courses; and (3) apply for and receive permission for such participation from the departmental staff and the Dean of the College no later than the end of the first semester of the junior year.

During his participation in the program, the student must (1) submit to the departmental chairman periodic progress reports; (2) show progress at a rate and at a level indicating that he will complete the program on time and at the desired level of achievement; and (3) maintain a 3.3 grade point average in departmental courses and a 2.5 grade point average in all college courses.

The participant must (1) obtain departmental approval of a research topic; (2) prepare an essay on the subject selected for research under the guidance of a member of the departmental staff; (3) complete the writing of the essay by April 1 of the senior year; (4) defend the essay in a manner to be determined by the departmental staff and the Dean of the College; (5) pursue a program of independent reading approved by the departmental staff; (6) demonstrate, by means of a written and/or oral examination, knowledge and understanding of the material studied in the independent reading program; and (7) present to the departmental chairman an assessment of his experience in the program. Upon fulfilling these requirements, the student will be recommended by the departmental staff to the Dean of the College for graduation with departmental honors.

10a-10b. History of Western Civilization.

3:3:0 per semester

The first semester covers the development of Western European culture in all of its aspects from its Near East origins to about 1715. The second semester covers its evolution during the eighteenth, nineteenth, twentieth centuries.

11. Greek and Roman History.

3:3:0. First semester. Offered 1971-1972.

An examination of the origins, structure, and values of Greek and Roman societies from about 1200 B.C. to about 500 A.D. The Mediterranean nature of these cultures and the historians' treatment of them are emphasized.

Prerequisite: History 10a.

12. The Middle Ages.

3:3:0. Second semester. Offered 1971-1972.

A study of the emergence of a European society from 500 to 1300. Emphasis is on the social and intellectual aspects of medieval life, and the historiographical record is analyzed.

Prerequisite: History 10a.

13. Introduction to Historiography.

3:3:0. First semester.

Theory and practice in the writing of history. The work of selected historians is studied and each student conducts and reports upon his own research. Training is given in research methods and in the preparation of research reports.

21. The Renaissance and Reformation: 1300 to 1600. 3:3:0. First semester. Offered 1972-1973.

A study of the beginnings of the modern era, paying particular attention to the interrelationships between its political, social, economic, and intellectual aspects.

Prerequisite: History 10a.

22. The Old Regime: 17th and 18th Centuries.

3:3:0. Second semester. Offered 1972-1973.

An investigation of the impact of modern science and thought upon the development of Western European culture. Particular attention is paid to the nature of European society before the era of revolutions.

Prerequisite: History 10b.

24a-24b. Survey of United States History.

3:3:0 per semester.

The first semester covers the development of the United States to 1865, the second semester from 1865 to the present. Special emphasis throughout the course is placed upon historiographical philosophy and method.

30a-30b. American Colonial and National History to 1865.

3:3:0 per semester. Offered 1972-1973.

The first semester deals with American history from its European origins to 1800, the second semester from 1800 to 1865. Historiographical issues, methods, and problems are stressed.

31. The Era of Revolutions: 1789 to 1870. 3:3:0. First semester. Offered 1971-1972. A study of the political and economic changes in Europe from 1789 to 1870 and the total cultural impact of these changes.
Prerequisite: History 10b.

32. Contemporary Europe: 1870 to the Present. 3:3:0. Second semester. Offered 1971-1972. An analysis of the nineteenth century state system, its economic and social bases, its ideology, and its evolution through world wars and technological revolutions.
Prerequisite: History 10b.

40a-40b. The United States, 1865 to the Present. 3:3:0 per semester. Offered 1971-1972. The first semester deals with the post-Civil War developments of American history from 1865 to 1900, the second semester from 1900 to the present. Historiography is emphasized.

41. Introduction to the History of African Culture. 3:3:0. First semester. Offered 1972-1973. A survey of African culture from the tenth-century Sudanic origins to the present day. Emphasis is on the nineteenth and twentieth centuries.

43. Senior Seminar in History. 3:3:0. Second semester. A review of the student's college program in history, with reading, discussion, and writing to serve the following purposes: (1) synthesis of previous course work in history; (2) relation of the academic discipline of history to other fields of knowledge; and (3) formulation and expression of a personal philosophy of history by each student.
Open only to senior departmental majors.

46. History of Russia. 3:3:0. First Semester. Offered 1971-1972. A survey of Russian history from ancient times to the present, with special attention to developments since the seventeenth century.
Prerequisite: History 10b.

47. History of the Far East. 3:3:0. Second semester. Offered 1971-1972. A survey of the development of the cultural institutions of the Far East, with emphasis upon the trends since 1500.

48. History of Latin America. 3:3:0. Second semester. Offered 1972-1973. A survey of the Latin American republics from their colonial beginnings to the present time.

49. Select Problems in History. 3:3:0. First semester. A course to provide the student with an opportunity to explore in depth a topic of special interest.
Open to junior and senior history majors and to other students by permission of the instructor.

POLITICAL SCIENCE

Major: Political Science 10a-10b, 20, 21, 30, 31, 40, 41, 43, and three additional hours in Political Science as approved by the departmental chairman. Majors are also required to take History 24a and 40a-40b or History 24b and 30a-30b. History 30a-30b and 40a-40b may be taken in place of the combinations of these courses with History 24.

INDEPENDENT STUDY

Students majoring in political science may participate in the Independent Study program when they fulfill the following requirements: (1) demonstrate in their academic work the caliber of scholarship required to undertake an extensive research project; (2) achieve a 3.0 grade point average in departmental courses and a 2.5 grade point average in all college courses; and (3) apply for and receive permission for such participation from the departmental staff and the Dean of the College no later than the end of the sophomore year.

During his participation in the program, the student must (1) submit to the departmental chairman periodic progress reports; (2) show progress at a rate and at a level indicating that he will complete the program on time and at the desired level of achievement, and (3) maintain a 3.0 grade point average in departmental courses and a 2.5 grade point average in all college courses.

The participant must (1) use the junior year for preliminary work involving selected readings and gathering of source material for a research topic; (2) obtain departmental approval of a research topic; (3) prepare an essay on the subject selected for research under the guidance of a member of the departmental staff; (4) complete the writing of the essay by April 1 of the senior year; (5) defend the essay in a manner to be determined by the departmental staff and the Dean of the College; (6) pursue a program of independent reading approved by the departmental staff; (7) demonstrate, by means of a written and/or oral examination, knowledge and understanding of the material studied in the independent reading program; and (8) present to the departmental chairman an assessment of his experience in the program. Upon fulfilling these requirements, the student will be recommended by the departmental staff to the Dean of the College for graduation with departmental honors.

10a-10b. American National Government.

3:3:0 per semester.

The first semester concentrates on backgrounds, theories, principles, processes, and practices of American national government. Subject areas include: the nature of democracy, constitutional backgrounds, federalism and its problems, civil rights, public opinion formation, voting behavior, political parties, campaigns and elections. Special attention is given to contemporary racial and student unrest in the United States.

The second semester stresses institutional surveys and the actual work of government. The structure, functions, and processes of the main organs of national government—the presidency, the Congress, the judiciary, and the bureaucracy—are examined. Subject areas covered include: the role of government as regulator, promoter, and manager; national defense; foreign policies; and internal development.

20. Comparative Government.

3:3:0. First semester. Offered 1971-1972.

A comparative study of important governmental systems of the world, both democratic and authoritarian. Comparison and contrasts are made between unitary and federal forms. Special study is made of the governmental system in force in the Soviet Union.

Political Science 10a—10b is a prerequisite, or a corequisite.

21. Foreign Relations.

3:3:0. Second semester. Offered 1971-1972.

A survey of the external relations of American government, with emphasis on twentieth century developments. Subject areas include diplomacy, military affairs, geographic and regional problems, trade and aid, technology and underdevelopment, alliances, nuclear problems, and opposing ideologies. Consideration is given to recruitment, training, and problems of the United States foreign service and to the multiple influences shaping American foreign policies.

Political Science 10a—10b is a prerequisite, or a corequisite.

22. **State and County Government.** 3:3:0. First semester. Offered 1972-1973. This course deals with the structure and functions of state and county government. Emphasis is placed on federal-state-local relationships, on administrative organization and services, on the courts, and on legislative representation. Political Science 10a—10b is a prerequisite, or a corequisite.

23. **Metropolitan Government.** 3:3:0. First semester. Offered 1971-1972. This course deals with the rise of urbanization and the accompanying growth of municipal functions. Attention is paid to the legal process and status of cities, to municipal relations with state and national government, to urban politics, and to the various forms of city government. Political Science 10a—10b is a prerequisite, or a corequisite.

30. **Political Parties in the United States.** 3:3:0. First semester. Offered 1972-1973. A study of the origins and history of American political parties, their development, organization, leaders, conventions, platforms, and campaigns. Emphasis is given to recent changes in American political patterns. Political Science 10a—10b is a prerequisite, or corequisite.

31. **American Constitutional Government.** 3:3:0. Second semester. Offered 1972-1973. A study of the growth and development of the Constitution through the medium of judicial construction. Recent decisions illustrating its application to new conditions of the present age, and proposals for court modification are given particular attention. Political Science 10a—10b is a prerequisite, or a corequisite.

33. **Public Opinion.** 3:3:0. Second semester. Offered 1972-1973. An analysis of the nature and sources of contemporary public opinion, with special attention to types of censorship and to modern propaganda devices.

40. **Political Theory.** 3:3:0. Second semester. Offered 1971-1972. A survey of the different philosophies and theories of government, ancient and modern, with special reference to political philosophy since the sixteenth century. Prerequisite: A major in political science, or permission of the instructor.

41. **International Politics.** 3:3:0. First semester. Offered 1971-1972. A course in the origin, forms, dynamics and prospects of the international political pattern, with emphasis on current developments and changing concepts in world politics. Political Science 10a—10b is a prerequisite, or a corequisite.

43. **Senior Seminar in Political Science.** 3:3:0. Second semester. An intensive review of the student's college program in political science, with reading, discussion, and written assignments to accomplish the following purposes: (1) integration of earlier course work in political science; (2) relation of the discipline to other fields of knowledge; and (3) development and expression of an individual political philosophy by the student. Prerequisites: A major in political science and senior standing; or permission of the instructor.

49. **Select Problems in Political Science.** 3:3:0. First semester. A course to provide the student with an opportunity to explore in depth a topic of special interest. Open to junior and senior students majoring in political science and to other students by permission of the instructor.

INTERDISCIPLINARY COURSE

32. **Seminar in Psychology and Literature.** 3 hours credit. Second semester. A consideration of major psychological theories for use in literary interpretation. Prerequisites: A major in psychology or English, junior or senior standing and/or permission of the staff.

LANGUAGES

See Foreign Languages, page 78.



MATHEMATICS

Professor Mayer, Chairman; Assistant Professors Burras, Lewin, and Stare

The aims of the Department of Mathematics are: (1) to make available mathematical theory and technique needed by students in applied sciences and industry; (2) to prepare students interested in mathematics for graduate schools as well as for secondary school teaching; (3) to provide the cultural advantages of a knowledge of mathematics.

Major: Math 11, 21, 24, 25, 31 plus at least three semester hours from each of the following divisions:

- I Analysis—Math 40; Math 46.
- II Algebra and Topology—Math 48; Math 49.
- III Statistics—Math 12*; Math 37; Math 41.

INDEPENDENT STUDY

Students may participate in the departmental Independent Study program if they have demonstrated high scholastic ability and have received permission for such participation from the departmental chairman and the Dean of the College no later than the end of the first semester of the junior year.

A student may receive upon graduation departmental honors if he has maintained a 3.0 grade point average in mathematics and has satisfactorily completed the Independent Study program.

PLAN OF STUDY IN STATISTICS

Mathematics 37 and 41 form the basis for a concentration in statistics. A statistical and computing laboratory equipped with Brunsviga desk calculating machines is available to students doing computational work in connection with this program of study. Through membership of the College in the Middle Atlantic Educational and Research Center (MERC) students have available, through terminals on campus, an RCA Spectra 70/46 Computer located in Lancaster.

* The requirement in Statistics can be satisfied with Math 12 only if three semester additional hours are taken from one of the other two divisions.

PLAN OF STUDY IN MATHEMATICAL PHYSICS

Students interested in mathematical physics may elect to major in either the Department of Physics or the Department of Mathematics and follow a plan of study in mathematical physics worked out by a suitable adviser to whom they will be referred. Ordinarily the program will include Mathematics 31, 37, 40, and 46.

PLAN OF STUDY IN ACTUARIAL SCIENCE

The program as outlined on pages 30-31 is endorsed by the Philadelphia Section of the Society of Actuaries who sponsor it on this campus. The actuarial examinations, parts 1, 2 and 3, are also given on this campus which is a testing center. Interested students should consult with the departmental chairman.

PLAN OF STUDY IN ENGINEERING

The cooperative engineering program is described on page 38. Ordinarily the program will include Mathematics 11, 12, 21, 40, and 46.

COURSES

1. Introductory Analysis.

3:3:0. First semester.

This is a pre-calculus course which includes topics from college algebra and analytical trigonometry. This course is recommended for students who lack the necessary background for calculus.

10. Basic Concepts of Mathematics.

3:3:0. Either semester.

The foundational aspects of mathematics at work in the world today are stressed for cultural as well as some technical competence. This course is addressed to the non-science student and presents the scientific and humanistic importance of the subject in an historical approach.

11. Elementary Analysis I & II.

3:3:0 per semester.

The fundamental ideas of analytic geometry and calculus are introduced with applications. A thorough background in trigonometry and algebra is necessary.

12. Elementary Statistics.

3:2:2. Either semester.

Included in this course are descriptive statistics, an introduction to probability concepts, simple problems of statistical inference, and elementary treatment of analysis of pairs of measurements.

21. Intermediate Analysis I & II.

3:3:0 per semester.

This is a continuation of Mathematics 11 with an introduction to partial differentiation, multiple integration, infinite series, differential equations, and linear algebra.

Prerequisite: Mathematics 11.

24. Linear Algebra.

3:3:0. Second semester.

Study is made of linear equations, linear dependence, vector spaces, operators, transformations and matrices.

25. Development of the Real Number System.

3:3:0. First semester.

An introduction to logic, set theory, and a rigorous development of the number system.

31. Advanced Analysis I & II. 3:3:0 per semester.
Rigorous existence proofs of functional concepts of continuity, differentiation, integration, and series are given. Use is made of transformation theory by Jacobians.
Prerequisites: Mathematics 21 and 25.

33. Geometry. 3:3:0 per semester. Offered 1971-1972.
Foundations of geometry, historical background, and an introduction to non-Euclidean geometry. This course is designed primarily for teachers.

37. Mathematical Statistics. 3:3:0 per semester.
Calculus is used to develop basic statistical tools and notions. Generating functions, frequency distributions of one, two, or more variables, and various tests are considered.

40. Methods of Applied Mathematics. 3:3:0 per semester. Offered 1971-1972.
Use is made of matrices and determinants, the concept of linear vector spaces and characteristic values. Formulation and solution of certain partial differential equations are accompanied by a treatment of integral equations, difference equations, and Green's function.

40.1. Mathematics Seminar. 1:1:0. Either semester.
Logic, computer language, finite differences are among those topics which could be selected as a basis for a one-semester seminar. Special problems given on a recent competitive examination are presented and discussed in a seminar for upperclassmen.

40.1 (T). Mathematics Seminar. 1:1:0. Second semester.
A senior seminar designed for mathematics teachers is required of those students who wish to become certified to teach mathematics.

41. Probability. 3:3:0. Second semester. Offered 1972-1973.
This course constitutes a rigorous examination of the notions of sample space, random variables, distributions in time and space, and certain unifying limit theorems. Time permitting, it may include Markoff chain theory and related topics.
Prerequisite: Mathematics 37.

46. Functions of a Complex Variable. 3:3:0. Second semester. Offered 1972-1973.
An introductory course that includes analytic functions, Cauchy's integral theorem, residue theory, contour integrals, and conformal mapping.
Prerequisite: Mathematics 21.

48. Algebra. 3:3:0 per semester. Offered 1972-1973.
Topics such as group theory, rings, ideals, field extensions, and Galois theory will be studied.
Prerequisite: Mathematics 25.

49. Topology. 3:3:0. Second semester. Offered 1971-1972.
Continuous, compact, connected, metric, and product spaces are studied.
Prerequisites: Mathematics 25 and 31.

Independent Study in Mathematics. 3:3:0 per semester. (Maximum of 3 semesters.)
After receiving permission for participation, the student will prepare a paper on a selected subject for research which is approved by the department. This paper should be completed by the end of the first semester of the senior year, and must be defended in a manner determined by the departmental staff.



MUSIC

Associate Professor Smith, Chairman; Professor Emeritus Bender; Associate Professors Curfman, Fairlamb, Getz, Lanese, Stachow, and Thurmond; Assistant Professors Bellardo and Jamanis; Adjunct Assistant Professor Knisley; Instructors Burrichter, Lau, Morgan, and Veri; Adjunct Instructors Aulenbach, Campbell, Kucirko, and Stambach

The aims of the Department of Music are to train artists and teachers; to teach music historically and aesthetically as an element of liberal culture; and to offer courses that give a thorough and practical understanding of theoretical subjects.

Attendance at all faculty recitals and a portion of student recitals is compulsory.

All majors in music or music education are required to take private instruction on the campus if the department offers instruction in the individual's principal performance medium.

Participation in music organizations may be required of all majors.

For cost of private lessons see page 23.

MUSIC

(B.A. with a major in Music)

This program is designed for those students desiring a liberal arts context in their preparation for a career in applied music.

SPECIAL REQUIREMENTS

All majors are required to take an hour lesson per week in the major performance area and are expected to perform a half or full recital in the junior year and a full recital in the senior year.

All majors outside of the keyboard area are required to take a $\frac{1}{2}$ hour lesson per week in piano until the minimum requirements have been met.

For the recommended plan of study in this program see pages 40-41.

MUSIC EDUCATION

(B.S. with a major in Music Education)

This program has been approved by the Pennsylvania Department of Education and the National Association of Schools of Music for the preparation of teachers of public school music.

The Music Education curriculum requires two private one-half hour lessons per week (one each in the major and a minor performance area), one of which is included in the tuition charge. A charge is made for the second private lesson.

For the recommended plan of study in this program see pages 42-43.

INDEPENDENT STUDY

1. A candidate must have achieved a minimum grade point average of 3.00 at the end of the sophomore year, and must maintain this minimum to remain eligible for Honors status.
2. The private instructor in the candidate's major performance area must recommend the student for full recital privileges during the senior year, and will serve as adviser to the individual's Independent Study program.
3. The candidate through reading and research will produce a thesis or an essay, based on a problem or subject of his own choosing under the direct supervision of his faculty adviser. Creative work will be encouraged with reference to, or emphasis upon, his principal performance medium.
4. Honors recognition shall be dependent upon the quality of the prepared thesis or essay and the level of the candidate's recital performance, both to be reviewed by a committee of three, including the private instructor (adviser), the chairman of the department, and a third music faculty member to be designated by the chairman with the approval of the adviser.
5. In addition to any established pattern of announcing honors candidates and recipients, the printed recital program shall also indicate "in partial fulfillment of requirements for Honors in Music."
6. A maximum of 8 hours credit can be earned in Independent Study.
7. Upon the completion of the above requirements at a satisfactory level, the student will be recommended by the reviewing committee to the Dean of the College for graduation with departmental honors.

I: THEORY OF MUSIC

Sight Singing

Music 10. Sight Singing I.

1:2:0. First semester.

A beginning course in music reading with the use of syllables, incorporating the elements of melody and rhythm within the beat and its division. The following are studied: basic beat patterns, simple and compound time, diatonic intervals, implied harmonic structure within the melodic line, the C clefs, modulation.

Music 11. Sight Singing II.

1:2:0. Second semester.

A continuation of music reading, employing more difficult melodies and rhythms, the beat and its subdivision, and additional interval problems. Phrasing and the application of dynamics are stressed.

Music 20. Sight Singing III.

1:2:0. First semester.

Exercises in four clefs, employing vocal literature of increasing difficulty, both tonal and rhythmic. Modal melodies, remote modulation, superimposed background and meter, changing and less common time signatures are stressed.

Dictation (Ear Training)

Music 12. Ear Training I.

1:2:0. First semester.

Includes the study of the basics of music notation essential for the writing of melodic and rhythmic dictation. Aural analysis and tonal memory are developed. Essentials of tonality are

covered, and harmonic dictation is begun in the latter half of the course. Correlated with Sight Singing and Harmony.

Music 13. Ear Training II.

1:2:0. Second semester.

Increasing complexity and length of melodic and rhythmic dictation with emphasis upon the development of harmonic dictation. Inversions of triads, seventh and ninth chords are included.

Music 22. Ear Training III.

1:2:0. First semester.

A study of more difficult tonal problems including modulation, chromaticism, altered chords, and modality.

Harmony

Music 14. Harmony I.

2:3:0. First semester.

A study of the rudiments of music including notation, scales, intervals, and triads; the connection of triads by harmonizing melodies and basses with fundamental triads; playing of simple cadences at the piano; analysis of phrases and periods.

Music 15. Harmony II.

2:3:0. Second semester.

A study of inversions of triads, seventh and ninth chords, harmonizations of melodies and figured basses; analysis and composition of the smaller forms; modulation.

Music 24. Harmony III.

2:2:0. First semester.

The use of dominant and diminished sevenths as embellishments of and substitutes for diatonic harmony; harmonization of melodies and figured basses; analysis of two and three-part song forms; composition in two-part song form. Playing of more advanced cadences and modulations at the piano.

Music 29. Harmony IV (Elementary Composition)* on special announcement. 2:2:0. First semester.

- Melody analysis and writing; four part choral writing; continuation of two and three-part song-form analysis and composition. Composition in Theme and Variations, Fantasia, Rondo and Dance forms. Study of contemporary harmonic ideas.

Music 39. Keyboard Harmony.

2:2:0. Second semester.

Work at the piano includes the harmonization of melodies both with four-part harmony and with various accompaniment forms; also transposition, improvisation, modulation, reading from figured bass. (Students are placed in elementary, intermediate or advanced sections on the basis of keyboard ability.)

Additional Theory Courses

Music 21. Orchestration and Scoring for the Band.

2:2:0. Second semester.

Study of instrumentation, devices, techniques, and mechanics of scoring transcriptions, arrangements and solos for orchestra and concert band; special work in scoring for marching band. Laboratory analysis and demonstration of various instrumental colors and combinations. Emphasis is placed on creative scoring.

Music 31. Form and Analysis I.

2:2:0. First semester.

A study of the structure of music including hymns, folk songs, two, three and five-part song forms, variations, contrapuntal forms, rondo and sonata forms. Compositions in these forms are studied primarily for their structural content. Course includes extensive listening.

Music 36. Form and Analysis II* on special announcement.

2:2:0. Second semester.

A study through analysis and listening of fugal forms, suite, overture, complete sonata forms (evolution of the symphony), string quartet, the tone poem. Analysis of classical and contemporary works in these forms.

* B.A. Program in Music.

Music 40.1. Counterpoint. 2:2:0. Second semester.
Introductory work in strict counterpoint through three and four-part work in all the species.

Music 40.2. Arranging and Scoring for the Modern Orchestra. 2:2:0. Either semester.
Study of modern harmony, modulation, style analysis, special instrumental effects as applied to modern arranging. Laboratory analysis and demonstration of sectional and ensemble voicings.

Music 40.3. Composition, Schillinger System. Private teaching.
A scientific system of music composition created by the late Joseph Schillinger, teacher of such accomplished professionals as George Gershwin, Ted Royal Dewar.

The major aims of the system are to: (1) generalize underlying principles regarding the behavior of tonal phenomena; (2) classify all the available resources of our tonal system; (3) teach a comprehensive application of scientific method to all components of the tonal art, to problems of melody, rhythm, harmony, counterpoint, orchestration and to composition itself.

The system is best studied in the light of a traditional background and admission to course or private instruction is by special permission only.

II. METHODS AND MATERIALS

Music Ed. 23. Methods and Materials, Vocal: Early Childhood. 2:2:0. Second semester.
A comprehensive study of music teaching at the lower elementary level, including rationale for building a music education curriculum; acquaintance with appropriate music education materials; suggestions for presenting music with the purpose of developing conceptual understanding of the elements of music; use of classroom instruments; beginnings of directed appreciation; foundation studies for later technical developments.

Music Ed. 33A. Methods and Materials, Vocal: Later Childhood. 2:2:0. First semester.
A study of the child's singing voice in the intermediate grades; attention is given to the formal or technical work of these grades with an evaluation of appropriate texts and recent approaches. Preparation of lesson plans, and observation are required. Music appreciation is continued.

Music Ed. 33B. Methods and Materials, Instrumental: Fourth, Fifth and Sixth Grades. 1:1:0. First semester.
A study of methods and materials used in teaching band and orchestral instruments to children in these grades, with emphasis on a sound rhythmic approach. Both individual and class techniques are studied. Musical rudiments as applied to instrumental teaching are reviewed.

Music Ed. 34A. Methods and Materials, Vocal: Junior and Senior High School. 2:2:0. Second semester.
A study of adolescent tendencies of high school students. Class content of materials is studied with attention to the organization and presentation of a varied program. Recent trends in teaching are studied.

Music Ed. 34B. Methods and Materials, Instrumental: Junior and Senior High School. 1:1:0. Second semester.
A study of intermediate and advanced instrumental teaching techniques; methods of organizing and directing school orchestras and bands; fundamentals of musicianship.

Music Ed. 43. Seminar in Advanced Instrumental Problems. 2:2:0. Second semester.
A study of the general and specific problems which confront the director of school orchestras, bands, and instrumental classes. Problems of general interest include: organization and management, stimulating and maintaining interest; selecting beginners; scheduling rehearsals and class lessons; financing and purchasing instruments, uniforms, and other equipment; marching.

ing band formations and drills; evaluating music materials; organizing festivals, contests, and public performances.

Music Ed. 44. Methods in Piano Pedagogy.

2:2:0. First semester.

A study of methods of teaching piano to children and adults. The course includes the song approach method, presentation of the fundamental principles of rhythm, sight reading, tone quality, form, technique, pedaling, transposition and the harmonization of simple melodies. Materials are examined and discussed.

III. STUDENT TEACHING

Music Ed. 40a-40b. Student Teaching.

6 hours credit per semester.

Student teaching in Music Education includes vocal and instrumental work from elementary to senior high school.

Cooperating schools include: Annville-Cleona Schools, Derry Township Schools, Milton Hershey School, Lebanon School District, Cornwall-Lebanon Schools, and Northern Lebanon Schools.

IV. INSTRUMENTAL COURSES

Class Instruction in Band and Orchestral Instruments.

Practical courses in which students, in addition to being taught the fundamental principles underlying the playing of all band and orchestral instruments, learn to play on instruments of each group, viz., string, woodwind, brass, and percussion. Problems of class procedure in public schools are discussed; transposition of all instruments is taught. Ensemble playing is an integral part of these courses.

Brass Instruments (Cornet, Trumpet, French Horn, Trombone, Baritone, Tuba)

Music 16. Brass I.

1:2:0. First semester.

A study of any two of the above instruments.

Music 17. Brass II.

1:2:0. Second semester.

A study of the remainder of the above instruments.

Percussion Instruments (Snare Drum, Tympany, Bass Drum, etc.)

Music 18. Percussion I.

1/2:1:0. Second semester.

A study of snare drum only.

Music 19. Percussion II.

1/2:1:0. Second semester.

A study of the remainder of the above listed instruments.

Woodwind Instruments (Clarinet, Flute, Piccolo, Oboe, Saxophone, Bassoon)

Music 25. Woodwind I.

1:2:0. First semester.

A study of the clarinet.

Music 26. Woodwind II.

1:2:0. Second semester.

A study of the remainder of the above listed instruments.

String Instruments (Violin, Viola, 'Cello, String Bass)

Music 37. String I.

1:2:0. First semester.

A study of all of the above listed instruments.

Music 38. String II.

1:2:0. Second semester.

A continuation of the study of all of the above listed instruments.

Instrumental Seminar.	1/2:1:0 or 1:2:0.	First or second semester.
Application of specific techniques to problems of class instruction.		
Music 41.1—41.2. Brass		Prerequisite: Music 17.
Music 41.3—41.4. Percussion		Prerequisite: Music 48.
Music 41.5—41.6. String		Prerequisite: Music 38.
Music 41.7—41.8. Woodwind		Prerequisite: Music 26.

V. MUSIC ORGANIZATIONS

Opportunities for individual performance in a group experience are provided by music organizations. Membership in the organizations is open on an audition basis to all students of the College.

Music 101a—101b. Symphonic Band. 0:2:0. First semester. 0:3:0. Second semester.

The Blue and White Marching Band of L.V.C. is noted for its half-time performances during the football season. The Symphonic Band of ninety pieces plays several concerts during the year, both on and off campus. The finest original music for band is performed, as well as arrangements of the standard repertoire. Membership in the band is dependent upon the ability of the applicant and the instrumentation of the band. Students from all departments of the College are invited to audition.

Music 102a—102b. All-Girl Band. 0:1:0 per semester.

L.V.C. is unique in having one of the few all-girl bands in the nation. All girls in the College with ability as instrumentalists are welcome to audition. Membership depends upon proficiency and the needs of the band regarding instrumentation.

Music 103a—103b. Symphony Orchestra. 0:3:0. First semester. 0:2:0. Second semester.

The Symphony Orchestra is an organization of symphonic proportions maintaining a high standard of performance. A professional interpretation of a wide range of standard orchestral literature is insisted upon.

Music 104a—104b. Concert Choir. 0:3:0 per semester.

The Concert Choir is composed of approximately fifty voices, selected by audition. All phases of choral literature are studied intensively. In addition to on-campus programs and appearances on radio and the television, the Concert Choir makes an annual tour.

Music 105a—105b. College Chorus. 0:1:0 per semester.

The College Chorus provides an opportunity to study and participate in the presentation of choral literature of major composers from all periods of music history. It is open to all students who are interested in this type of musical performance and who have had some experience in singing.

Music 106a—106b. Beginning Ensemble. 0:1:0 per semester.

A training band and orchestra in which students play secondary instruments and become acquainted with elementary band and orchestral literature. Opportunity is given for advanced conducting students to gain experience in conducting.

Music 113a—113b. Chapel Choir. 0:1:0 per semester.

The Chapel Choir is composed of approximately forty voices, selected by audition. The main function of this choir is to provide musical leadership in the weekly chapel services. In addition, seasonal services of choral music are prepared.

Music 114a—114b. Wind Ensemble. 0:1:0 per semester.

The Wind Ensemble provides an opportunity for advanced players of wind and percussion instruments to play the growing repertoire of music being written for this medium. In addition, standard classical works for wind and/or percussion instruments are played. The forty-five members of this organization are chosen by audition.

Instrumental Small Ensembles. 0:1:0 per semester.

Open to the advanced player on an audition basis.

Music 107a—107b. String Quartet.

Music 108a—108b. String Trio.

Music 109a—109b. Clarinet Choir.

Music 110a—110b. Woodwind Quintet.

Music 111a—111b. Brass Ensemble.
Music 112a—112b. Percussion Ensemble.

VI. THE HISTORY AND APPRECIATION OF MUSIC

Music 19. History and Appreciation of Music.

3:3:0. Either semester.

A course for the non-music major designed to increase the individual's musical perceptiveness. Through selective, intensive listening, the student develops concepts of musical materials and techniques. The vocabulary thus gained is utilized in a survey of western music from the Middle Ages to the present.

Music 30a—30b. History of Music.

3:3:0 per semester.

A survey course of the history of western music. Emphasis is placed on the various stylistic developments which have occurred from one era to another, on the composers who have been responsible for these developments, and the music written during these various eras illustrating these stylistic trends. For this purpose, extensive use of recordings is made a part of the course. The first semester includes the development of music up to the Baroque era, the second semester from the Baroque to the present.

Music 32. Music Literature.

2:2:0. First semester.

A study of music literature for elementary, secondary, and adult levels. Interpretation of, response to, and appreciation of music with attention directed to musical elements. Emphasis is placed on instrumental literature.

Music 41. Music Literature Seminar (on special announcement).

3:3:0.

A study of music literature in depth, according to styles, form and techniques of the various musical periods. Designed especially for the B.A. candidate in Music with application of accumulated knowledge in theory, music history, and musical form. Emphasis is upon orchestral literature.

Music 42. Organ Seminar.

2:2:0 per semester.

A four semester sequence based upon the investigation and study of the following: (a) organ design and registration; (b) organ history and literature (early times through the mid-Baroque with emphasis upon French and German music); (c) an investigation of the organ literature of J. S. Bach and his contemporaries; organ literature of the nineteenth and twentieth centuries; (d) church service playing.

Required for organ students in the B.A. Program in Music; open to other organ students with the approval of the instructor.

VII. CONDUCTING

Music 35. Conducting I.

2:2:0. Second semester.

Principles of conducting and the technique of the baton are presented. Each student conducts vocal and instrumental ensembles made up of the class personnel.

Music 45. Conducting II.

2:2:0. First semester.

A continuation of Conducting I with emphasis on practical work with small vocal and instrumental groups. Rehearsal techniques are discussed and applied through individual experience.

VIII. INDIVIDUAL INSTRUCTION

Music 131-132. Voice, Piano, Organ, Orchestral and Band Instruments.

1:1/2 :0 per semester.

The work in the foregoing fields is organized from the standpoint of the development and musicianship in the individual student. The work continues through eight semesters and assures a well-rounded and many-sided acquaintance with various musical techniques.

Music 141-142. Voice, Piano, Organ, Orchestral and Band Instruments.

2:1:0 per semester.

A charge is made for the second half-hour of instruction.

(Private study in major performance; for B.A. Music majors only)

THE STUDENT RECITALS

The student recitals are of inestimable value to all students in acquainting them with a wide range of the best musical literature, in developing musical taste and discrimination, in affording experience in appearing before an audience, and in gaining self-reliance as well as nerve control and stage demeanor.

Students at all levels of performance appear in these student recitals.

PIPE ORGANS

The Department of Music contains four Möller organs for private instruction and individual practice: one 4-manual, one 3-manual, two 2-manual instruments, and a 3-manual 62-rank Schantz organ in the College Chapel, installed in 1968.





PHILOSOPHY

Assistant Professor Thompson, Chairman; Adjunct Professor Ehrhart

The objective of the Department of Philosophy is to provide students with an opportunity to study the philosophical heritage of the Western World and to become acquainted with the major problems which leading philosophers have raised and attempted to resolve.

Major: A total of twenty-four hours is required of the philosophy major. Besides the courses listed below, Political Science 40 (Political Theory) may be taken to satisfy the requirements.

INDEPENDENT STUDY

Students wishing to participate in the Independent Study program in the department may do so by fulfilling the following requirements: (1) achieve high academic standing in departmental courses; (2) submit a paper in connection with a course beyond the first year courses; (3) apply and receive approval for participation in Independent Study from the departmental chairman and the Dean of the College by the end of the first semester of the junior year; (4) prepare an essay of 10,000 words or more under the direction of a member of the department to be submitted by April 1 of the senior year; (5) defend the essay before a faculty committee selected by the departmental chairman and the Dean of the College.

On the basis of his performance in the essay and oral examination, the departmental chairman and the Dean of the College will determine whether or not the candidate is to receive departmental honors.

10. Problems of Philosophy. 3:3:0. First semester.

An introduction to some of the main problems of philosophy and to the ways in which leading philosophers have dealt with them.

11. General Logic. 3:3:0. Second semester.

An introduction to the rules of clear and effective thinking. Attention is given to the logic of meaning, the logic of valid inference, and the logic of factual inquiry. Main emphasis is laid upon deductive logic, and students are introduced to the elements of symbolic logic as well as to traditional modes of analysis.

23. Ancient and Medieval Philosophy. 3:3:0. First semester. Offered 1972-1973.
This course traces the evolution of Western philosophical thought from its origin in the speculations of the pre-Socratic nature-philosophers to the systematic elaborations of the schoolmen of the late Middle Ages.
Prerequisite: Philosophy 10 or consent of the instructor.

24. Modern Philosophy. 3:3:0. Second semester. Offered 1972-1973.
This course follows the development of philosophical thought in the leading thinkers from the Renaissance to the beginning of the nineteenth century.
Prerequisites: Philosophy 10 and 23 or consent of the instructor.

30. Ethics. 3:3:0. Second semester.
An inquiry into the central problems of ethics, with an examination of the responses of major ethical theories to those problems.
Prerequisite: Philosophy 10 or consent of instructor.

31. Philosophy of Religion. 3:3:0. First semester. Offered 1971-1972.
A study of the issues raised for philosophy by contemporary religious and theological thought. A critical examination of such problems as faith and reason; the meaning of revelation, symbolism, and language; the arguments for the existence of God; faith and history; religion and culture.
Prerequisite: Philosophy 10 or consent of the instructor.

35. Twentieth Century Philosophy. 3:3:0. First semester. Offered 1971-1972.
An examination of the foremost American, British and continental philosophers, from 1900 to the present.
Prerequisites: Philosophy 10, 11, 23; 24, or consent of instructor.

40. Metaphysics. 3:3:0. First semester. Offered 1972-1973.
A detailed consideration of the "theory of reality," as interpreted by representative philosophers from the pre-Socratics to the British and American linguistic analysts, including the twentieth-century phenomenologists.
Prerequisites: Philosophy 10, 11, 23, 24 and senior standing; or consent of the instructor.

41. Aesthetics. 3:3:0. Offered either semester on sufficient demand only.
A study of the nature and basis of criticism of works of art.
Prerequisites: Philosophy 10, Art 12 or Music 19 or consent of the instructor.

42. Seminar. 2-3 hours credit. Second semester.
Discussion of selected problems of philosophy.
Open to upperclassmen only, with consent of instructor.

45. Epistemology. 3:3:0. Second semester. Offered 1972-1973.
A critical and analytical study of the chief questions involved in "knowing," as formulated by thinkers from the time of Plato to the present.
Prerequisites: Philosophy 10, 11, 23, 24 and senior standing; or consent of the instructor.



PHYSICS

Professor Rhodes, Chairman; Professor Emeritus Grimm; Assistant Professor O'Donnell; Instructor Horgan

The Department of Physics attempts to develop in the student an increased understanding of the basic laws of nature as they relate to our physical environment, and to indicate the possible extent, as well as the limitations, of our knowledge of the physical world.

The introductory course, Physics 10, is intended for students who wish to take only one course in physics. The sequence of courses beginning with Physics 17 provides suitable training for students who anticipate additional work in the physical sciences. Laboratory work is an integral part of Physics 10, 17 and 27; laboratory work at the junior and senior level is provided in Physics 37 and 38, courses designed to acquaint the student with the experimental techniques and the measuring instruments appropriate to the various areas of investigation, and to give experience in the interpretation and communication of experimental results. Laboratory facilities include a neutron howitzer, beta and gamma detection equipment with a multi-channel pulse height analyzer, lasers, a 50 kv X-ray diffractometer, and a harmonic wave analyzer.

The department prepares students for graduate study, for research and development work in governmental and industrial laboratories, and for teaching physics in the secondary schools. It also provides background courses in physics appropriate for work in the various basic and applied areas of the physical sciences, such as astrophysics, biophysics, space science, and computer technology.

Major: Physics 17, 27, 32, 37, or 38, and 40.

INDEPENDENT STUDY

Juniors and seniors who have demonstrated high academic ability may, with the permission of the departmental chairman and the Dean of the College, participate in the Independent Study program in physics. Application for admission to the program should be made before the end of the junior year. A student admitted to this program works on an experimental or theoretical research project, normally for a period of a year, with departmental supervision. Experimental facilities are available in the department for investigations in x-ray diffraction, neutron reactions, radioactivity, Mössbauer effect, gamma ray spectroscopy, and wave analysis. Theoretical problems may be

chosen from classical physics, statistical mechanics, or quantum mechanics. Upon the satisfactory completion of an approved experimental or theoretical research project and the formal presentation of a research paper before an examining committee, the student will be recommended to the Dean of the College for graduation with departmental honors.

10. General College Physics.

4:3:3 per semester.

An introduction to the fundamental concepts and laws of the various branches of physics, including mechanics, heat, sound, electricity, magnetism, optics, and atomic and nuclear structure, with laboratory work in each area.

17. Principles of Physics I.

4:3:3 per semester.

A comprehensive introductory course designed for students who desire a more rigorous mathematical approach to college physics than is given in Physics 10. Calculus is used throughout. The first semester is devoted to mechanics, and the second semester to heat, wave motion, and optics, with laboratory work in each area. This course should be followed by Physics 27.

Prerequisite or corequisite: Mathematics 11.

27. Principles of Physics II.

4:3:3 per semester.

A continuation of Physics 17, devoted in the first semester to the study of electricity and magnetism and in the second semester to the study of modern physics, including the foundation of atomic physics, the quantum theory of radiation, the atomic nucleus, radioactivity, and nuclear reactions, with laboratory work in each area.

Prerequisite: Physics 17.

32. Electricity and Magnetism.

3:3:0 per semester.

A rigorous study of the basic phenomena of electromagnetism, together with the application of fundamental principles to the solving of problems. The electric and magnetic properties of matter, direct current circuits, alternating current circuits, the Maxwell field equations, and the propagation of electromagnetic waves are among the topics treated.

Prerequisites: Physics 27 and Mathematics 21.

37. Experimental Physics I.

1:0:3 per semester.

Experimental work in the areas of mechanics, A. C. and D. C. electrical measurements, optical spectroscopy, and interference and diffraction of light, with emphasis on experimental design, measuring techniques, and analysis of data.

Prerequisite: Physics 27.

38. Experimental Physics II.

1:0:3 per semester.

Experimental work in the areas of x-ray diffraction, gamma ray spectroscopy, radioactivity, nuclear magnetic resonance, and electronic circuitry, with emphasis on experimental design, measuring techniques, and analysis of data.

Prerequisite: Physics 27.

40. Analytical Mechanics.

3:3:0 per semester.

A rigorous study of classical mechanics, including the motion of a single particle, the motion of a system of particles, and the motion of a rigid body. Damped and forced harmonic motion, the central force problem, the Euler description of rigid body motion, and the Lagrange generalization of Newtonian mechanics are among the topics treated.

Prerequisites: Physics 27 and Mathematics 21.

41. Modern Physics.

3:3:0 per semester.

A rigorous study of selected topics in modern physics, utilizing the methods of quantum mechanics. The Schrödinger equation is solved for such systems as potential barriers, potential wells, the linear oscillator, the rigid rotator, and the hydrogen atom. Perturbation techniques and the operator formalism of quantum mechanics are introduced where appropriate.

Prerequisites: Physics 32 and 40.

48. Physics Seminar.

3:3:0 per semester.

A seminar in one or more of the following areas of physics is offered each semester, and is open to juniors and seniors from any department with approval of the instructor.

(a) *Electronics*. A presentation of the fundamentals of electronics, including characteristics of vacuum tubes, diodes, and transistors, power supplies, amplifiers, oscillators, servomechanisms, and electronic switching, with opportunity for laboratory study of electronic circuits.

(b) *Thermodynamics*. A study of the three laws of thermodynamics from which the following topics are developed: entropy, equations of state, specific heats, phase transitions, and low temperature phenomena.

(c) *Statistical Mechanics*. Maxwell-Boltzmann, Bose-Einstein, and Fermi-Dirac statistics are derived and used to discuss specific heats, paramagnetism, diamagnetism, fluctuations, and the properties of photons and phonons.

(d) *Nuclear Physics*. The topics covered include properties of nuclei, nuclear force, nuclear models, properties of alpha, beta, and gamma decay, fission, and fusion.

(e) *Solid State Physics*. The topics covered include the properties of crystals, electronic states in solids, semiconductors, and the electric and magnetic properties of solids.

(f) *Wave Theory*. A study of the theory of waves as it applies to electrodynamics, optics, and acoustics. The topics covered include propagation of wave motion, wave guides, diffraction and interference phenomena, and polarization.





PSYCHOLOGY

Professor Davidon, Chairman; Professor Love; Assistant Professors Mather and Stare

The courses in psychology are designed to develop an understanding and appreciation of man, as they present methods, findings and theories of behavioral science.

There is a complete program for those preparing for graduate school studies leading to a professional career in either experimental or clinical psychology.

Furthermore, many of the courses provide an important background for those preparing for careers in other fields such as medicine, teaching and business. The program for a major in psychology can help qualify one for teaching psychology in high school and can be relevant to employment and further training in agencies, hospitals, and laboratories.

Major: Psychology 20, 25a, 25b, 43, either 45a-45b or 46, and electives in psychology to complete at least 24 hours. Students preparing for graduate school in psychology are advised to include Psychology 26.1, 35a, 35b, and 44. With approval, six hours of the minimum of 24 required for the major may be selected from the following: Biology 22, 32 and Mathematics 12.

INDEPENDENT STUDY

For the capable student who wishes to take part in selecting and planning his own studies within particular areas of psychology, a program of independent study for credit may replace courses. The student is assisted by a member of the faculty with whom he has individual conferences. The program provides for the investigation of a principal problem during the junior and senior years, beginning with the study of the literature and culminating in the design and execution of a laboratory experiment or field study. Both a formal oral presentation and a written report are required.

In order to participate in Independent Study a psychology major is required to: (1) maintain an over-all grade-point average of 2.5; (2) maintain an average of 3.0 in psychology courses; (3) show consistently high interest and initiative; and (4) receive the approval of the departmental staff and the Dean of the College.

Graduation with Honors in Psychology will depend on the quality of the work in Independent Study, the maintenance of the grade-point averages specified for admission to the study program, and the final approval of the departmental staff and the Dean of the College.

20. General Psychology. 3:3:0. Either semester.
An introduction to the scientific study of behavior and human experience, with emphasis on biological and environmental influences upon learning, perception, motivation, and cognitive functions. Studies of the person, of development and personality, and of interpersonal relationships are reviewed.

21. Psychology of Childhood and Development. 3:3:0. First semester.
A study of human growth and development with particular emphasis upon the psychological development of the child. Theories of development and appropriate research studies are included. Required for state certification in elementary education.
Prerequisite: Psychology 20.

23. Educational Psychology. 3:3:0. Either semester.
An application of psychological principles to problems and issues encountered in formal education. Required for state certification in elementary and secondary education.
Prerequisite: Psychology 20.

25a. Experimental Psychology: Learning and Motivation. 3:3:0. First semester.
Instrumental and classical conditioning techniques are compared and related to theories of human and animal learning and motivation. Basic methods in the investigation of verbal learning are also considered.
Prerequisite: Psychology 20.

25b. Experimental Psychology: Sensory and Perceptual Processes. 3:3:0. Second semester.
Review of major areas of investigation of visual, auditory and other sensory systems. Psychophysical methods, and principles of sensory differentiation and field organization are included.
Prerequisite: Psychology 20.

26.1. Laboratory Investigations. 1:0:3 per semester.
Experiments and demonstrations in experimental psychology, with animal or human subjects. Includes statistical computation and interpretation of data.
Prerequisite: Psychology 20.
Corequisite: Psychology 25a or Psychology 25b.

31. Psychology of Adolescence. 3:3:0. Second semester. (Not offered 1971-1972).
A study of the psychological development in the adolescent period.
Prerequisite: Psychology 20.

32. Psychology of Abnormal Behavior. 3 hours credit. Second semester.
An introduction to the major syndromes of abnormal behavior and their dynamics, and to the psychological, sociocultural and biological conditions associated with their development.
Prerequisites: Psychology 20; junior or senior standing, or permission of the instructor.

33. Social Psychology. 3:3:0. Second semester.
Studies of social responses and attributes, of group structures and relations, and of cultural norms and forms.
Prerequisites: Psychology 20; junior or senior standing, or permission of the instructor.

35a-b. Research Design and Statistical Analysis. 3 hours credit per semester.
Principles of research design and inferential statistical analysis; planning and execution of studies.
Prerequisites: Psychology 20, 25a, and 25b.

41. Introduction to Clinical Psychology. 3 hours credit. Second semester.
The history of clinical psychology and the psychological approaches to the treatment of the mentally ill are reviewed. Psychological assessment and clinically oriented research techniques are also included.
Prerequisites: Psychology 20, 32; senior standing or permission of the instructor.

43. Personality. 3:3:0. First semester. A study of representative major theories of personality, from psychoanalysis through existentialism. Prerequisites: Psychology 20; junior or senior standing, or permission of the instructor.

44. Physiological Psychology. 3:2:2. Second semester. A comparative study of neuroanatomy and neurophysiology with emphasis on the human nervous system. Functional and anatomical relationships are related to problems in sensation, perception, learning, and motivation. Prerequisites: Psychology 20; Biology 14 or permission of the instructor.

45a-45b. Research Seminar. 1-3 hours credit per semester. Independent study, with individual experiments or projects, conferences, and group discussions. Prerequisites: Two semesters of psychology beyond Psychology 20, and senior standing.

46. History and Theory. 3:3:0. First semester. Philosophical issues, areas and trends of investigation, and "Schools of Psychology" prior to 1940. Prerequisites: Psychology 20, 25a and 25b; junior or senior standing, or permission of the instructor.





RELIGION

Professor Wethington, Chairman; Associate Professor Troutman; Assistant Professor Cantrell; Adjunct Assistant Professor Bemesderfer

The aim of this department is to provide opportunity for the study of the meaning of man's religious experience.

The department seeks to orient the student to a Christian world view, providing an understanding of the Scriptures and the heritage of the Christian church as a means to this end, as well as the enhancing of Christian living as a dynamic experience.

Professionally, basic courses are offered to students preparing for the Christian ministry, the world mission field, the teaching of religion, and other church vocations.

Major: A total of twenty-four semester hours is required, including Religion 44 and 45. A total of six hours of New Testament or Hellenistic Greek (Greek 21) as well as Philosophy of Religion (Philosophy 31) may be counted toward a religion major.

INDEPENDENT STUDY

Students wishing to participate in the Independent Study program in the department may do so by fulfilling the following requirements: (1) achieve high academic standing in departmental courses; (2) submit a paper in connection with a course beyond the first year courses; (3) apply and receive approval for participation in Independent Study from the departmental chairman and the Dean of the College by the end of the first semester of the junior year; (4) prepare an essay of 10,000 words or more under the direction of a member of the department to be submitted by April 1 of the senior year; (5) defend the essay before a faculty committee selected by the departmental chairman and the Dean of the College.

On the basis of his performance in the essay, and oral examination, the departmental chairman and the Dean of the College will determine whether or not the candidate is to receive departmental honors.

12. Introduction to Biblical Thought.

3:3:0. First semester.

An examination of some of the basic themes of Biblical religion in relation to their historical context and their contemporary implications.

13. Introduction to the Christian Faith. 3:3:0. Second semester.
 A systematic inquiry into the areas of religious language, religious knowledge, and the doctrines of God, man, Christ, and the Church.

20. The Prophets. 3:3:0. Second semester. Offered 1972-1973.
 A study of the lives and writings of the Old Testament prophets, and an analysis of their contributions to Hebrew-Christian religious thought.
 Prerequisite: Religion 12.

22. Religion in America. 3:3:0. Second semester.
 A study of contemporary Judaism, Roman Catholicism, and Protestantism in the United States, including a brief historical background of each. Some attention is given to the various religious sects and cults.
 No prerequisites.

30. Life and Epistles of Paul. 3:3:0. Second semester. Offered 1971-1972.
 A study of the life, writings, and theological thought of Paul and their relationship to the practices, problems, and beliefs of the early church.
 Prerequisite: Religion 12 or 13.

32. Life and Teachings of Jesus. 3:3:0. First semester.
 An intensive study of the life and message of Jesus as set forth in the Gospels.
 Prerequisite: Religion 12 or 13.

33. Christian Ethics. 3:3:0. Second semester.
 A systematic analysis of the implications of the Christian faith both for personal moral decision, and for social policy in such areas as government and political life, work and the economic order.
 Prerequisite: Religion 12 or 13.

36. Christian Tradition and Reform. 3:3:0. First semester.
 A study of the major and continuing strains of the history of Christianity and the principal reform movements.
 No prerequisite.

39. Theological Issues in Contemporary Secular Authors. 3:3:0. Second semester.
 Identification, analysis, and interpretation of issues of special theological import raised by thinkers representing "non-theological" disciplines.
 Prerequisite: Religion 13.

40. Introduction to Christian Nurture. 3:3:0. Second semester. Offered 1971-1972.
 An investigation of some of the principles and problems of religious education as they are related to higher education, the public school, the church school, and the home.
 Prerequisite: Religion 12 or 13.

42. World Religions. 3:3:0. First semester.
 An examination of the rise and development of religion along with a study of the ideas, and cultic and ethical practices of the great world faiths. Special attention given to Asian religions.
 No prerequisite.

44. Seminar in Classical Religious Thinkers. 3:3:0. First semester. Offered 1972-1973.
 An intensive study of the thought of such classical religious thinkers as Augustine, Aquinas, Luther, and others.
 Required of majors and strongly recommended for all pre-theological students; others by permission of the chairman of the department.

45. Seminar in Contemporary Religious Problems. 3:3:0. Second semester. Offered 1972-1973.
 A study of selected problems arising from recent theological efforts. Research methodology is stressed.
 Required of majors and strongly recommended for all pre-theological students; others by permission of the chairman of the department.

RUSSIAN

See Foreign Languages, page 80.



SOCIOLOGY

Associate Professor Berson, Chairman; Assistant Professor White

The courses in the Department of Sociology have been designed: (1) to develop the student's understanding of the social structure and the social relationships in and through which man functions; (2) to provide preliminary training for those who are planning to enter the field of social, religious, and community work; and (3) to furnish basic background knowledge for the pursuance of graduate work in Sociology.

Major: Sociology 20, 21, 34, 43, and 45, supplemented by fifteen additional hours from Sociology 22, 30, 31, 32, 33, and 40, Anthropology 20, and Psychology 33.

INDEPENDENT STUDY

The departmental Independent Study program is designed to provide stimulation for capable students to undertake and carry through academic work of high quality. Independent Study is planned as an integral part of the student's major program rather than viewed as work superimposed upon it, and is set in the framework of a major area of concentration.

1. The student should apply for admission to the Independent Study program at the beginning of the second semester of the sophomore year. This would enable him to undertake preliminary work for one year before being admitted to full status in the program at the beginning of the second semester of the junior year.
2. To enter the Independent Study program a student must have a high general standing in the College and the approval of the departmental chairman and the Dean of the College no later than the end of the first semester of the junior year. An average grade of 3.0 in all courses in the student's major area of concentration is required as is an average of 3.0 while he is pursuing his work as a candidate for departmental honors. The student must, in addition, fulfill any other specific requirements of the department.
3. The student in Independent Study will prepare an essay of ten thousand words or more under the direction of the departmental chairman to be submitted by the end of the first semester of his senior year. It shall be defended in a manner approved by the departmental chairman and the Dean of the College.

4. The Independent Study of each student shall be tested by a special oral examination. On the basis of his performance in the essay and oral examination, the departmental chairman and the Dean of the College will determine whether or not the candidate is to receive departmental honors.

ANTHROPOLOGY

20. Introduction to Anthropology.

3:3:0. First semester.

A general survey of the fields of physical anthropology, archeology, and cultural anthropology, with some attention given to the uses and methods of anthropology and to the effect of culture on personality.

SOCIOLOGY

20. Introduction to Sociology.

3:3:0. First semester.

A systematic study of the major concepts, methods, and areas of sociology. Analysis of human values and their interrelationship to group behavior.

21. Contemporary Social Problems.

3:3:0. Second semester.

A sociological analysis of problems relating to types of deviant behavior, including mental disorders, delinquency, crime, and drug addiction, and social disorganization, including poverty, family disorganization, race, and ethnic relationships.

22. Sociology of the Family.

3:3:0. Second semester.

A cross-cultural perspective and analysis of the changing trends of the family. Structural-functional and role theory approach will be presented.

30. Criminology.

3:3:0. First semester. Offered 1972-1973.

Presentation of theories relating to the nature, causation, and treatment of criminal and delinquent behavior.

31. Introduction to Social Welfare.

3:3:0. First semester. Offered 1972-1973.

Historical perspective of the characteristics of social welfare and survey of social work methods. Analysis of social issues and critical evaluation of policies and programs.

Prerequisites: Sociology 20 and 21.

32. Field Practice in Social Work.

3 hours credit. Second semester. Offered 1972-1973.

Application of sociological-social work concepts through supervised field experience in private and public agencies and hospitals supplemented by course material.

Prerequisite: Sociology 31.

33. Social Institutions.

3:3:0. First semester. Offered 1971-1972.

Analysis of the structure and function of the institutional system. Emphasis upon the influence of the major social institutions including religion, mass culture, and mass media.

34. Methods of Social Research.

3:3:0. First semester. Offered 1971-1972.

An introduction to the basic principles of research design and to the primary techniques utilized in the collection and analysis of data for testing sociological hypotheses.

Prerequisites: Sociology 20 and 21; open only to junior and senior majors in sociology and to others by permission of the staff.

40. Population.

3:3:0. First semester. Offered 1971-1972.

A study of the size, growth, composition, and distribution of the peoples of the earth. Emphasis is placed on problems occasioned by urban development.

Prerequisite: Sociology 20.

43. **Development of Sociological Theory.** 3:3:0. Second semester. Offered 1971-1972. A study of the theorists and trends in sociological thought. Major sociocultural systems and the structural-functional approach are explored. Prerequisites: Sociology 20 and 21.

45. **Senior Seminar.** 3:3:0. Second semester. Critical analysis of sociological theory applied to contemporary issues. Major project required. Prerequisite: Senior sociology major or with permission of the departmental chairman.

SPANISH

See Foreign Languages, page 80.



Directories



FACULTY AND ADMINISTRATIVE STAFF, 1970-1971

FACULTY:

FREDERICK P. SAMPLE, 1968-;
President.

CARL Y. EHRHART, 1947-;
Dean of the College.

ANNA D. FABER, 1954-;
Secretary of the Faculty.

EMERITI:

FREDERIC K. MILLER, 1939-1967;
President Emeritus.
A.B., Lebanon Valley College, 1929; M.A., University of Pennsylvania, 1931; Ph.D., 1948; Litt.D., Muhlenberg College, 1954; D.H.L., Dickinson College, 1967; LL.D., Lebanon Valley College, 1968; D.Pd., Geneva College, 1968; LL.D., Waynesburg College, 1969.

MRS. RUTH ENGLE BENDER, 1918-1922;
1924-1970;
Professor Emeritus of Music Education.
A.B., Lebanon Valley College, 1915; Oberlin Conservatory; graduate New England Conservatory.

DONALD E. FIELDS, 1928-1930; 1947-1970;
Librarian Emeritus.
A.B., Lebanon Valley College, 1924; M.A., Princeton University, 1928; Ph.D., University of Chicago, 1935; A.B. in Library Science, University of Michigan, 1947.

MRS. FRANCES T. FIELDS, 1947-1970;
Cataloging Librarian Emeritus.
A.B., Lebanon Valley College, 1929; A.B. in Library Science, University of Michigan, 1947; M.A., Universidad de San Carlos de Guatemala, 1960.

SAMUEL O. GRIMM, 1912-1970;
Professor Emeritus of Physics.
B.Pd., State Normal School, Millersville, 1910; A.B., Lebanon Valley College, 1912; A.M., 1918; Sc.D., 1942.

LENA L. LIETZAU, 1930-1952;
Professor Emeritus of German.
Ph.D., University of Vienna, 1928.

HELEN ETHEL MYERS, 1921-1956;
Librarian Emeritus.
A.B., Lebanon Valley College, 1907; Library Science, Drexel Institute of Technology.

ALVIN H. M. STONECIPHER, 1932-1958;
Professor Emeritus of Latin Language and Literature; Dean Emeritus.
A.B., Vanderbilt University, 1913; A.M., 1914; Ph.D., 1917; Litt.D., Lebanon Valley College, 1962.

GEORGE G. STRUBLE, 1931-1970;
Professor Emeritus of English.
B.S. in Ed., University of Kansas, 1922; M.S. in Ed., 1925; Ph.D., University of Wisconsin, 1931.

FRANCIS H. WILSON, 1953-1968;
Professor Emeritus of Biology.
B.S., Cornell University, 1923; M.S., 1925; Ph.D., 1931.

PROFESSORS:

ROBERT S. DAVIDON, 1970—;

Professor of Psychology; Chairman of the Department of Psychology.

A.B., University of Illinois, 1940; M.A., University of Pennsylvania, 1946; Ph.D., 1951.

CLOYD H. EBERSOLE, 1953—;

Professor of Education; Chairman of the Department of Education.

A.B., Juniata College, 1933; M.Ed., The Pennsylvania State University, 1941; D.Ed., 1954.

CARL Y. EHRHART, 1947—;

Adjunct Professor of Philosophy.

MRS. ANNA DUNKLE FABER, 1954—;

Professor of English.

A.B., Lebanon Valley College, 1948; M.A., University of Wisconsin, 1950; Ph.D., 1954.

ELIZABETH M. GEFFEN, 1958—;

Professor of History; Chairman of the Department of History and Political Science.
B.S. in Ed., University of Pennsylvania, 1934; M.A., 1936; Ph.D., 1958.

KARL L. LOCKWOOD, 1959—;

Professor of Chemistry.

B.S., Muhlenberg College, 1951; Ph.D., Cornell University, 1955.

JEAN O. LOVE, 1954—;

Professor of Psychology.

A.B., Erskine College, 1941; M.A., Winthrop College, 1949; Ph.D., University of North Carolina, 1953.

JOERG W. P. MAYER, 1970—;

Professor of Mathematics; Chairman of the Department of Mathematics.

Dipl. Math., University of Giessen, 1953; Ph.D., 1954.

HOWARD A. NEIDIG, 1948—;

Professor of Chemistry; Chairman of the Department of Chemistry.

B.S., Lebanon Valley College, 1943; M.S., University of Delaware, 1946; Ph.D., 1948.

SARA ELIZABETH PIEL, Jan., 1960—;

Professor of Languages; Chairman of the Department of Foreign Languages.

A.B., Chatham College, 1928; M.A., University of Pittsburgh, 1929; Ph.D., 1938.

JACOB L. RHODES, 1957—;

Professor of Physics; Chairman of the Department of Physics.

B.S., Lebanon Valley College, 1943; Ph.D., University of Pennsylvania, 1958.

C. F. JOSEPH TOM, 1954—;

Professor of Economics and Business Administration; Chairman of the Department of Economics and Business Administration.

B.A., Hastings College, 1944; M.A., University of Chicago, 1947; Ph.D., 1963.

L. ELBERT WETHINGTON, 1963—;

Professor of Religion; Chairman of the Department of Religion.

B.A., Wake Forest College, 1944; B.D., Divinity School of Duke University, 1947; Ph.D., Duke University, 1949.

ASSOCIATE PROFESSORS:

ELAINE S. BERSON, 1970—;

Associate Professor of Sociology; Chairman of the Department of Sociology.

A.B., University of Illinois, 1950; M.S.W., University of Oklahoma, 1953; Ph.D., Duke University, 1958.

GEORGE D. CURFMAN, 1961—;

Associate Professor of Music Education.

B.S., Lebanon Valley College, 1953; M.M., University of Michigan, 1957.

HILDA M. DAMUS, 1963—;

Associate Professor of German.

M.A., University of Berlin and Jena, 1932; Ph.D., University of Berlin, 1945.

WILLIAM H. FAIRLAMB, 1947—;

Associate Professor of Piano and Music History.

Mus.B., cum laude, Philadelphia Conservatory, 1949.

ALEX J. FEHR, 1951—;
Associate Professor of Political Science.
A.B., Lebanon Valley College, 1950; M.A.,
Columbia University, 1957; Ph.D., Syracuse
University, 1968.

ARTHUR L. FORD, 1965—;
*Associate Professor of English; Chairman of
the Department of English.*
A.B., Lebanon Valley College, 1959; M.A.,
Bowling Green State University, 1960; Ph.D.,
1964.

PIERCE A. GETZ, 1959—;
Associate Professor of Organ.
B.S., Lebanon Valley College, 1951; M.S.M.,
Union Theological Seminary School of
Sacred Music, 1953; A.M.D., Eastman School
of Music, 1967.

ROBERT E. GRISWOLD, 1960—;
Associate Professor of Chemistry.
B.S., New Bedford Institute of Technology,
1954; M.S. in Chemistry, Northeastern
University, 1956; Ph.D., Massachusetts In-
stitute of Technology, 1960.

*THOMAS A. LANESE, 1954—;
*Associate Professor of Strings, Conducting,
and Theory.*
B.Mus., Baldwin-Wallace College, 1938; fel-
lowship, Juilliard Graduate School; M.Mus.,
Manhattan School of Music, 1952.

ROBERT W. SMITH, 1951—;
*Associate Professor of Music Education;
Chairman of the Department of Music.*
B.S., Lebanon Valley College, 1939; M.A.,
Columbia University, 1950.

FRANK E. STACHOW, 1946—;
*Associate Professor of Theory and Wood-
winds.*
Diploma, clarinet, Juilliard School of Music;
B.S., Columbia University, 1943; M.A., 1946.

JAMES M. THURMOND, 1954—;
*Associate Professor of Music Education and
Brass Instruments.*
Diploma, Curtis Institute of Music, 1931;
A.B., American University, 1951; M.A.,
Catholic University, 1952; Mus.D., Washing-
ton College of Music, 1944.

**ELEANOR TITCOMB, 1964—;
Associate Professor of French.
A.B., Mount Holyoke College, 1938; M.A.,
Middlebury College, 1943; Ph.D., Radcliffe
College, 1959.

PERRY J. TROUTMAN, 1960—;
Associate Professor of Religion and Greek.
B.A., Houghton College, 1949; B.D., United
Theological Seminary, 1952; Ph.D., Boston
University, 1964.

HARRY P. WEAST, 1967—;
Associate Professor of Education.
B.S., University of Pittsburgh, 1937; M.Ed.,
1944; D.Ed., 1953.

ASSISTANT PROFESSORS:

JEANNE E. ARGOT, 1969—;
Assistant Professor of Biology.
B.S., Moravian College, 1965; M.S., Lehigh
University, 1967; Ph.D., 1969.

SAMARAH BELLARDO, 1970—;
Assistant Professor of Theory and Piano.
B.S., Juilliard School of Music, 1961; M.S.,
1963.

JAMES O. BEMESDERFER, 1959—;
Adjunct Assistant Professor of Religion.

PHILIP A. BILLINGS, 1970—;
Assistant Professor of English.
B.A., Heidelberg College, 1965; M.A.,
Michigan State University, 1967.

O. PASS BOLLINGER, 1950—;
Assistant Professor of Biology.
B.S., Lebanon Valley College, 1928; M.S.,
The Pennsylvania State University, 1937.

* Sabbatical leave, first semester, 1970-1971.

** Leave of absence, 1970-1971.

FAY B. BURRAS, 1964—;
Assistant Professor of Mathematics.
 A.B., Lebanon Valley College, 1960; M.A., Smith College, 1961.

VOORHIS C. CANTRELL, 1968—;
Assistant Professor of Religion.
 B.A., Oklahoma City University, 1952; B.D., Southern Methodist University, 1956; Ph.D., Boston University, 1967.

CHARLES T. COOPER, 1965—;
Assistant Professor of Spanish.
 B.S., U.S. Naval Academy, 1942; M.A., Middlebury College, 1965.

MRS. JUNE EBY HERR, 1959—;
Assistant Professor of Elementary Education.
 B.S., Lebanon Valley College, 1943; M.Ed., The Pennsylvania State University, 1954.

MICHAEL G. JAMANIS, 1966—;
Assistant Professor of Piano.
 B.S., Juilliard School of Music, 1962; M.S., 1964.

DONALD E. JEANNET, 1970—;
Assistant Professor of French.
 B.A., University of Oklahoma, 1952; M.A., Middlebury College, 1955.

RICHARD A. JOYCE, 1966—;
Assistant Professor of History.
 A.B., Yale University, 1952; M.A., San Francisco State College, 1963

WILLIAM KERR, 1969—;
Assistant Professor of Education.
 B.A., Swarthmore College, 1950; M.A., Temple University, 1957; M.A., Montclair State College, 1962.

MRS. NEVELYN J. KNISLEY, 1954-58; 1963; 1970—;
Adjunct Assistant Professor of Piano.
 Mus.B., Oberlin Conservatory of Music, 1951; M.F.A., Ohio University, 1953.

MRS. MARY B. LEWIN, 1963—;
Assistant Professor of Mathematics.
 B.S. in Ed., Millersville State College, 1938; M.S. in Ed., Temple University, 1958; M.A., University of Illinois, 1969.

MARK L. LYNDRUP, 1970—;
Assistant Professor of Chemistry.
 B.S., Trinity College, 1961; Ph.D., Northwestern University, 1966.

MRS. SYLVIA R. MALM, 1962—;
Adjunct Assistant Professor of Biology.
 A.B., Mount Holyoke College, 1931; M.A., Brown University, 1934; Ph.D., Bryn Mawr College, 1937.

VINOD P. MANIYAR, 1969—;
Assistant Professor of Economics.
 B.A., Gujarat University, 1956; M.A., 1959.

JAMES H. MATHER, 1968—;
Assistant Professor of Psychology.
 A.B., Westminster College, 1962; M.A., Bryn Mawr College, 1965; Ph.D., 1969.

WILLIAM D. McHENRY, 1961—;
Chairman of the Department of Physical Education.

MRS. AGNES B. O'DONNELL, 1961—;
Assistant Professor of English.
 A.B., Immaculata College, 1948; M.Ed., Temple University, 1953; M.A., University of Pennsylvania, 1968.

J. ROBERT O'DONNELL, 1959—;
Assistant Professor of Physics.
 B.S., The Pennsylvania State University, 1950; M.S., University of Delaware, 1953.

WERNER H. PETERKE, 1967—;
Assistant Professor of Economics.
 B.S., Cornell University, 1959; M.A., Kent State University, 1962.

GERALD J. PETROFES, 1963—;
Assistant Professor of Physical Education.
 B.S., Kent State University, 1958; M.Ed., 1962.

JAMES N. SPENCER, 1967—;
Assistant Professor of Chemistry.
 B.S., Marshall University, 1963; Ph.D., Iowa State University, 1967.

MRS. CHARLOTTE KNARR STARE, 1966—;
Assistant Professor of Psychology.
 B.A., Lebanon Valley College, 1964; M.A., Kent State University, 1966.

DAYLE H. STARE, 1968—;
Assistant Professor of Mathematics.
A.B., Lebanon Valley College, 1964; M.A.,
The Pennsylvania State University, 1966.

WARREN K. A. THOMPSON, 1967—;
*Assistant Professor of Philosophy; Chairman
of the Department of Philosophy.*
A.B., Trinity University, 1957; M.A., Uni-
versity of Texas, 1963.

EDWARD H. WHITE, 1969—;
Assistant Professor of Sociology.
A.B., Dickinson College, 1964; M.A., Uni-
versity of Connecticut, 1966.

PAUL L. WOLF, 1966—;
*Assistant Professor of Biology; Chairman of
the Department of Biology.*
B.S., Elizabethtown College, 1960; M.S.,
University of Delaware, 1963; Ph.D., 1968.

ALLAN F. WOLFE, 1968—;
Assistant Professor of Biology.
B.A., Gettysburg College, 1963; M.A., Drake
University, 1965; Ph.D., University of Ver-
mont, 1968.

GLENN H. WOODS, 1965—;
Assistant Professor of English.
A.B., Lebanon Valley College, 1951; M.Ed.,
Temple University, 1962.

INSTRUCTORS:

ROBERT A. AULENBACH, 1968—;
Adjunct Instructor in Woodwinds.
B.M., Boston Conservatory of Music, 1949.

RICHARD C. BELL, 1966—;
Instructor in Chemistry.
B.S., Lebanon Valley College, 1941; M.Ed.,
Temple University, 1955.

RONALD G. BURRICHTER, 1968—;
Instructor in Voice.
B.M.E., Wartburg College, 1964; M.M., Pea-
body Conservatory of Music, 1968.

ROBERT B. CAMPBELL, 1968—;
Adjunct Instructor in Woodwinds.
B.S., Lebanon Valley College, 1954; M.M.,
University of Michigan, 1960.

D. ROGER GAECKLER, 1969—;
Instructor in Physical Education.
B.S., Gettysburg College, 1964.

MRS. E. ELIZABETH GARMAN, 1964—;
Instructor in Physical Education;
Director of Athletics for Women.
B.S., Beaver College, 1942.

D. JOHN GRACE, 1958-59; 1961—;
Instructor in Accounting.
B.S., Lebanon Valley College, 1955; C.P.
C.U., 1955; C.P.A., 1957.

MRS. GEILAN A. HANSEN, 1963—;
Adjunct Instructor in Russian.

JOHN R. HORGAN, JR., 1970—;
Instructor in Physics.
B.S., College of the Holy Cross, 1965; M.S.,
University of Massachusetts, 1967; Ph.D.,
1970.

RICHARD A. ISKOWITZ, 1969—;
Instructor in Art.
B.F.A., Kent State University, 1965; M.F.A.,
1967.

MRS. FRANCES VERI JAMANIS, 1967—;
Instructor in Piano.
B.S., Juilliard School of Music, 1964; M.S.,
1965.

KEITH L. KILGORE, 1969—;
Instructor in Political Science.
A.B., Muskingum College, 1966; J.D., Ohio
Northern University, 1969.

PETER M. KUCIRKO, 1970—;
Adjunct Instructor in Strings.
Diploma, New School of Music, 1968.

ROBERT C. LAU, 1968—;
Instructor in Musical Theory.
B.S., Lebanon Valley College, 1965; M.A.,
Eastman School of Music, 1970.

PHILIP G. MORGAN, 1969—;
Instructor in Voice.
B.M.E., Kansas State College, 1962; M.S.,
1965.

JOHN P. RAMSAY, 1966—;
Instructor in English.
B.A., Albright College, 1958; M.A., University of Wisconsin, 1960.

RONALD A. ROGERSON, 1968—;
Instructor in Physical Education.
B.S., University of Maine, 1966.

MRS. MALIN Ph. SAYLOR, 1961—;
Adjunct Instructor in French.
Fil. Kand., Universities of Upsala and Stockholm, 1938.

MRS. GLORIA E. STAMBACH, 1970—;
Adjunct Instructor in Piano.
Diploma, Juilliard School of Music, 1952; 1956.

TEACHING AIDES:

MANUEL ANTONIO GAVILANEZ, 1970—;
Teaching Aide in Spanish.

ULRIKE E. LORENZ, 1970—;
Teaching Assistant in German.
Pädagogisch Diploma, Ludwigsburg, 1970.

ELISABETH H. PICQ, 1970—;
Teaching Assistant in French.
Licence d'Anglais, University of Lyon, 1969.



COOPERATING TRAINING TEACHERS:

The student teaching program is organized to give the beginning teacher as wide and varied experiences as possible.

Extreme care is used in the assignment of the cooperating teacher with the student teacher. The selection is made in a cooperative manner between the administration of the local school and the supervisor of student teaching at the College.

Student teaching in Music Education and in Elementary and Secondary Education is done in schools within reasonable traveling distance of the College.

Names of cooperating teachers and subjects taught are available in the offices of the departments of Education and Music.

DEPARTMENTAL ASSISTANTS, 1970-1971:

Biology, Susan D. Yinger, 1971

Economics and Business Administration, Nancy F. McLean, 1971

Education, Kathleen H. Wood, 1972

English, Priscilla L. Roth, 1971

Foreign Languages, Glenn D. Deaven, 1972

History and Political Science, Richard B. Thompson, 1971

Mathematics, Becky D. Huber, 1972

Music, Ronald R. Renshaw, 1972

Philosophy, Anne L. Jameson, 1971

Physical Education, Craig R. Werner, 1972

Physics, Wilbur A. Hamsher, Jr., 1971

Psychology, Mrs. Barbara J. Light, 1971

Religion, Lorelei M. Floyd, 1971

Sociology, John R. Gibble, 1971

TEACHING INTERN, 1970-1971:

Mathematics, Claire L. Fiedler, 1971



OFFICES OF ADMINISTRATION

OFFICE OF THE PRESIDENT:

FREDERICK P. SAMPLE, 1968—;
President.

B.A., Lebanon Valley College, 1952; M.Ed.,
Western Maryland College, 1956; D.Ed., The
Pennsylvania State University, 1968; Pd.D.,
Albright College, 1968.

MRS. ELSIE M. MOYER, *Secretary*

Office of the Assistant to The President

EARL R. MEZOFF, 1963—;
Assistant to the President, 1963—;
Vice President, 1967—.

A.B., Thiel College, 1947; M.A., Michigan
State University, 1948; D.Ed., The Pennsylvania
State University, 1965.

MRS. ELOISE J. MILLER, *Secretary.*

ACADEMIC:

Office of the Dean of the College

CARL Y. EHRHART, 1947—;
Dean of the College, 1960—;
Vice President, 1967—.
A.B., Lebanon Valley College, 1940; B.D.,
United Theological Seminary, 1943; Ph.D.,
Yale University, 1954.

RALPH S. SHAY, 1948-1951; Feb. 1953—;
Assistant Dean of the College, 1967—.
A.B., Lebanon Valley College, 1942; A.M.,
University of Pennsylvania, 1947; Ph.D.,
1962.

MISS JEANETTE E. BENDER, *Secretary.*

Office of Admissions

D. CLARK CARMEAN, 1933—;
Director of Admissions, 1949—.
A.B., Ohio Wesleyan University, 1926; M.A.,
Columbia University, 1932.

GREGORY G. STANSON, 1966—;
Assistant to the Director of Admissions,
1968—.
B.A., Lebanon Valley College, 1963; M.Ed.,
University of Toledo, 1966.

MRS. MARY ANN TOWN, *Secretary.*

MRS. LORETTA A. WATSON, *Secretary.*

Office of the Registrar

RALPH S. SHAY, 1948-1951; Feb. 1953—;
Assistant Dean of the College and Registrar,
1967—.

MRS. RHETA M. KREIDER, *Secretary.*

MRS. LAURA M. EBRIGHT, *Secretary.*

MRS. MARION G. LOY, *Secretary.*

Library

WILLIAM E. HOUGH, III, 1970—;

Head Librarian.

A.B., The King's College, 1955; Th.M., Dallas Theological Seminary, 1959; M.S.L.S., Columbia University, 1965.

MRS. ELOISE P. BROWN, 1961—;

Reference Librarian.

B.S.L.S., Simmons College, 1946.

MRS. ALICE S. DIEHL, 1966—;

Cataloging Librarian.

A.B., Smith College, 1956; B.S., Carnegie Institute of Technology, 1957; M.L.S., University of Pittsburgh, 1966.

MISS MYUNG JA KANG, 1970—;

Assistant Cataloging Librarian.

B.A., Sook Myung Women's University, 1962; M.S.L.S., Villanova University, 1969.

MISS MARIE C. BRANDT, *Secretary.*

MRS. ROBERTA J. MOYER, *Secretary.*

Departmental Secretaries

MRS. SARAH E. DETTRA, *Teacher Placement.*

MISS NANCI A. HORN, *Administration Building.*

MISS SHARON L. KRICK, *Chapel.*

MRS. BERNICE K. LILES, *Science Hall.*

MRS. ELIZABETH C. MICHELSEN, 112 College Avenue.

MRS. PATRICIA A. PARKER, *Engle Hall.*

MRS. HEATHER P. ROSEN, *Science Hall.*

MRS. LOUISE M. ZELLERS, *Lynch Memorial Building.*

STUDENT AFFAIRS:

Student Personnel Office

GEORGE R. MARQUETTE, 1952—;

Dean of Men, 1956—.

A.B., Lebanon Valley College, 1948; M.A., Columbia University, 1951; Ed.D., Temple University, 1967.

MRS. ESTHER A. KLINE, *Secretary,*
Dean of Men.

MISS MARTHA C. FAUST, 1957—;
Dean of Women.

A.B., Lebanon Valley College, 1937; M.A., Syracuse University, 1950.

MRS. DORIS L. FAKE, *Secretary, Dean of Women.*

MRS. KATHRYN E. ROHLAND, *Head Resident,*
Mary Capp Green Hall.

MRS. ELIZABETH C. OTT, *Head Resident,*
Vickroy Hall.

MRS. VIOLET K. KREIDER, *Hostess, Carnegie Lounge.*

MRS. MARY E. RHINE, *Hostess, Carnegie Lounge.*

MRS. NORA M. TEAHL, *Hostess, Carnegie Lounge.*

College Center

WALTER L. SMITH, 1961-1969; 1971—;
College Center Director; Coordinator of Conferences.

B.S., Lebanon Valley College, 1961; M.S. in Ed., Temple University, 1967.

Health Services

MRS. MARGIE M. YEISER, R.N., 1967—;
Head Nurse.

Harrisburg Polyclinic Hospital School of Nursing.

MISS DONNA K. BOWMAN, R.N., *Resident Nurse.*

MISS BARBARA A. SHEMAS, R.N., *Resident Nurse.*

Office of the Chaplain

JAMES O. BEMESDERFER, 1959—;

College Chaplain.

A.B., Lebanon Valley College, 1936; B.D., United Theological Seminary, 1939; S.T.M., Lutheran Theological Seminary, Phila., 1945; S.T.D., Temple University, 1951.

MISS SHARON L. KRICK, Secretary.

Office of Athletics

WILLIAM D. McHENRY, 1961—;

Director of Athletics.

B.S., Washington and Lee University, 1954; M.Ed., University of Pennsylvania, 1960.

MRS. LOUISE M. ZELLERS, Secretary.

Coaching Staff

JOHN S. BECK, 1970—;

Assistant Football Coach.

B.S., Mansfield State College, 1963.

D. ROGER GAECKLER, 1969—;

Basketball Coach; Assistant Lacrosse Coach.

MRS. E. ELIZABETH GARMAN, 1964—;

Women's Basketball Coach.

GEORGE N. KOLARAC, 1968—;

Assistant Football Coach.

B.S., University of Maryland, 1957.

GEORGE P. MAYHOFFER, 1955—;

J. V. Basketball Coach; Track Coach; Cross Country Coach.

B.S., Lebanon Valley College, 1950; The Pennsylvania State University, 1955.

WILLIAM D. McHENRY, 1961—;

Football Coach; Lacrosse Coach.

GERALD J. PETROFES, 1963—;

Athletic Trainer; Wrestling Coach; Golf Coach.

RONALD A. ROGERSON, 1968—;

Assistant Football Coach; Assistant Track Coach; Director of Intramurals.

MRS. JACQUELINE S. WALTERS, 1965—;

Women's Hockey Coach.

COLLEGE RELATIONS AREA:

Development Office

ROBERT M. WONDERLING, 1967—;

Director of Development.

B.S., Clarion State College, 1953; M.Ed., University of Pittsburgh, 1958.

JOHN R. McFADDEN, 1969—;

Assistant Director of Development.

B.S., Lebanon Valley College, 1968.

MRS. PATRICIA A. BINKLEY, Secretary.

MRS. DORIS J. MAY, Secretary.

Public Relations Office

RICHARD V. SHOWERS, 1965—;

Director of Public Relations.

A.B., Franklin and Marshall College, 1942.

MRS. ANN K. MONTEITH, 1966—;

Director of Publications.

A.B., Bucknell University, 1965.

LAWRENCE F. RIEDMAN, 1970—;

Assistant in Public Relations.

B.A., Lebanon Valley College, 1970.

MRS. CHRISTINE F. BROUGH, Secretary.

MISS BARBARA C. RHINE, Secretary.

Alumni Office

DAVID M. LONG, 1966—;

Director of Alumni Relations and Industrial Placement.

A.B., Lebanon Valley College, 1959; M.Ed., Temple University, 1961.

MRS. P. RODNEY KREIDER, 1951—;

Assistant Director of Alumni Relations, 1966—.

A.B., Lebanon Valley College, 1922.

MRS. HELEN L. MILLER, Secretary.

BUSINESS MANAGEMENT:**Office of the Controller**

ROBERT C. RILEY, 1951—;
Controller, 1962—; Vice President, 1967—;
B.S. in Ed., Shippensburg State College,
1941; M.S., Columbia University, 1947;
Ph.D., New York University, 1962.

IRWIN R. SCHAAK, 1957—;
*Assistant Controller, 1964—; Financial Aid
Officer, 1967—;*

ROBERT C. HARTMAN, 1969—;
Accountant.
B.S., Elizabethtown College, 1962.

ROBERT E. HARNISH, 1967—;
Manager of the Book Store.
B.A., Randolph Macon College, 1966.

MRS. CLARA P. MILLER, *Staff Assistant.*

MR. CRAIG A. BORGES, *Mail Room Assistant.*

MRS. DORIS C. FAKE, *Secretary, Book Store.*

MRS. ANNA M. GUIDON, *Secretary, Business
Office.*

MRS. LUCILLE E. HANNIGAN, *Switchboard
Operator.*

MRS. MARY JANE JACKSON, *Secretary, Business
Office.*

MRS. DOROTHY E. LAFFERTY, *Secretary,
Service Room.*

MISS JEAN T. ROTHENBERGER, *Secretary,
Service Room.*

MRS. MARY J. THOMPSON, *Secretary, Assistant
Controller.*

MRS. ETTA K. UNGER, *Secretary, Mail Room.*

MISS KATHY A. YOUTZ, *IBM, Service Room.*

Buildings and Grounds

SAMUEL J. ZEARFOSS, 1952—;
*Superintendent of Buildings and Grounds,
1969—.*

Food Service

GEORGE F. LANDIS, Jr., 1966—;
Dining Hall Manager, 1970—.

MRS. VIOLA L. LEONARD, 1966—;
Manager of the Snack Bar, 1970—.



COMMITTEES OF THE FACULTY — 1970-1971

Committee on Academic Affairs

Dean Ehrhart, Chairman

Biology, Dr. Wolf	History & Pol. Science, Dr. Geffen
Chemistry, Dr. Neidig	Mathematics, Dr. Mayer
Economics & Bus. Ad., Dr. Tom	Music, Mr. Smith
Education, Dr. Ebersole	Philosophy, Mr. Thompson
English, Dr. Ford	Physics, Dr. Rhodes
Foreign Languages, Dr. Piel	Psychology, Dr. Davidon
Physical Education, Mr. McHenry	Religion, Dr. Wethington

Sociology, Dr. Berson

Students — David O. Wilbur, Elizabeth A. Robinson

Committee on Faculty Affairs

Mr. Fairlamb	Elected by the Faculty	Term expires 1971
Dr. Love	Elected by the Faculty	Term expires 1972
Dr. Rhodes	Elected by the Faculty	Term expires 1973
Dr. Wethington	Appointed by the President	Term expires 1971
Mrs. O'Donnell, Chairman	Appointed by the President	Term expires 1973

Mr. Herr	Appointed by the President	Term expires 1971
Mr. Cooper, Chairman	Appointed by the President	Term expires 1971
Mr. Bell	Appointed by the President	Term expires 1972
Mrs. Lewin	Appointed by the President	Term expires 1973
Dr. Weast	Appointed by the President	Term expires 1973

Committee on Public Relations

Dr. Ford, Chairman	Appointed by the President	Term expires 1971
Dr. Faber	Appointed by the President	Term expires 1971
Mr. Jamanis	Appointed by the President	Term expires 1972
Mr. Grace	Appointed by the President	Term expires 1973
Mr. Woods	Appointed by the President	Term expires 1973

Administrative Advisory Committee

*Dr. Love, Chairman	Elected by the Faculty	Term expires 1971
*Dr. Neidig	Elected by the Faculty	Term expires 1972
*Dr. Rhodes	Elected by the Faculty	Term expires 1973

Chairmen of the other four committees

Honors Council

Dr. Lockwood, Chairman	Appointed by the President	Term expires 1971
Dr. Piel	Appointed by the President	Term expires 1972
Mrs. Herr	Appointed by the President	Term expires 1973
Mr. Grace	Appointed by the President	Term expires 1974

* Special advisory group to the President and Dean of the College.

THE BOARD OF TRUSTEES 1970-1971

OFFICERS:

President Emeritus	E. N. Funkhouser
President	Allan W. Mund
First Vice-President	Malcolm Meyer
Second Vice-President	Lawton W. Shroyer
Secretary	E. D. Williams, Jr.
Treasurer	Samuel K. Wengert

MEMBERS:

*JEFFERSON C. BARNHART (1972)
A.B., LL.B.
Partner — McNees, Wallace, and Nurick
Harrisburg, Pennsylvania.

*SAMUEL C. BOYER (1971)
Owner & Operator
Boyer's Jewelry Store
Carlisle, Pennsylvania

**WILLIAM D. BRYSON (1972)
LL.D.
Retired Executive-Walter W. Moyer Co.
Ephrata, Pennsylvania

*WOODROW S. DELLINGER (1972)
B.S., M.D.
General Practitioner
Red Lion, Pennsylvania

*PAUL C. EHRHART (1972)
A.B., M.A.
Retired Guidance Director
Penn Manor High School
Millersville, Pennsylvania

†DeWITT M. ESSICK (1972)
A.B., M.S.
Manager, Management Development &
Personnel Services
Armstrong Cork Co., General Offices
Lancaster, Pennsylvania

‡ALEX J. FEHR (1971) A.B., M.A., Ph.D. Associate Professor of Political Science Lebanon Valley College Annville, Pennsylvania
*MRS. D. DWIGHT (KATHRYN MOWREY) GROVE (1971) A.B. Housewife Philadelphia, Pennsylvania
*J. PAUL GRUVER (1972) A.B., B.D., D.D. Pastor — United Methodist Church Dayton, Virginia
*THOMAS W. GUINIVAN (1973) A.B., B.D., D.D. Pastor — First United Methodist Church Hershey, Pennsylvania
**JOHN RICHARDS HARPER (1972) Vice President-Purdee Company Philadelphia, Pennsylvania
*CALVIN B. HAVERSTOCK, JR. (1971) A.B., B.D. Pastor — First United Methodist Church York, Pennsylvania
*CARL W. HISER (1971) A.B., B.D., D.D. Retired Pastor United Methodist Church Tampa, Florida
*PAUL E. HORN (1973) A.B., B.D., D.D. Program Director Central Pennsylvania Conference United Methodist Church Harrisburg, Pennsylvania

* Elected by Church Conference

** Trustee-at-Large

† Alumni Trustee-at-Large

‡ Faculty Trustee-at-Large

*MARK J. HOSTETTER (1973)
 A.B., B.D., S.T.M., D.D.
 Superintendent-Lancaster District
 Eastern Pennsylvania Conference
 United Methodist Church
 Lancaster, Pennsylvania

*J. GORDON HOWARD (1972)
 A.B., B.D., M.A., D.D., LL.D., Litt.D.
 Resident Bishop
 Eastern Pennsylvania Conference
 United Methodist Church
 Philadelphia, Pennsylvania

**HERMANN W. KAEBNICK (1972)
 A.B., B.D., S.T.M., D.D., L.H.D.
 Resident Bishop
 Central Pennsylvania Conference
 United Methodist Church
 Harrisburg, Pennsylvania

*GERALD D. KAUFFMAN (1973)
 A.B., B.D., D.D.
 Pastor — Grace United Methodist Church
 Carlisle, Pennsylvania

*LESTER M. KAUFFMAN (1972)
 A.B., B.D., S.T.M., D.D.
 Retired Pastor
 United Methodist Church
 Shippensburg, Pennsylvania

*CLAIR C. KREIDLER (1972)
 A.B., D.D.
 Superintendent — York District
 Central Pennsylvania Conference
 United Methodist Church
 York, Pennsylvania

†JAMES H. LEATHEM (1971)
 B.S., M.A., Ph.D., Sc.D.
 Professor of Zoology & Director of
 the Bureau of Biological Research
 Rutgers, The State University
 New Brunswick, New Jersey

‡KARL L. LOCKWOOD (1973)
 B.S., Ph.D.
 Professor of Chemistry
 Lebanon Valley College
 Annville, Pennsylvania

* Elected by Church Conference
 ** Trustee-at-Large
 † Alumni Trustee-at-Large
 ‡ Faculty Trustee-at-Large

*ROBERT W. LUTZ (1973)
 A.B.
 Retired Executive
 Blumenthal-Kahn Electric Company
 Owings Mills, Maryland

*THOMAS S. MAY (1972)
 B.S., B.D., D.D.
 Pastor
 Elizabethtown United Methodist Church
 Elizabethtown, Pennsylvania

*WARREN F. MENTZER (1973)
 A.B., B.D., D.D.
 Superintendent — Lebanon, Reading District
 Eastern Pennsylvania Conference
 United Methodist Church
 Mt. Gretna, Pennsylvania

**MALCOLM MEYER (1972)
 B.S.
 President — Certain-Teed Products Corp.
 Ardmore, Pennsylvania

**ALLAN W. MUND (1972)
 LL.D.
 Retired Chairman, Board of Directors
 Ellicott Machine Corporation
 Baltimore, Maryland

‡HOWARD A. NEIDIG (1973)
 B.S., M.S., Ph.D.
 Chairman of Department of Chemistry;
 Professor of Chemistry
 Lebanon Valley College
 Annville, Pennsylvania

**RAYMOND M. OBERHOLTZER (1971)
 B.C.S.
 Retired — United States Government
 Washington, D.C.

*HAROLD S. PEIFFER (1971)
 A.B., B.D., S.T.M., D.D.
 Pastor
 Covenant United Methodist Church
 Lancaster, Pennsylvania

*HAROLD H. QUICKEL (1971)
 A.B.
 Purchasing Agent-Hamilton Watch Co.
 Lancaster, Pennsylvania

*EZRA H. RANCK (1973)
A.B., B.D., D.D.
Director of Education and
Coordinator of Adult Ministries
Eastern Pennsylvania Conference
United Methodist Church
Philadelphia, Pennsylvania

**ROBERT H. REESE (1972)
Retired President
H. B. Reese Candy Co., Inc.
Hershey, Pennsylvania

‡JACOB L. RHODES (1972)
B.S., Ph.D.
Chairman of Department of Physics;
Professor of Physics
Lebanon Valley College
Annville, Pennsylvania

*MELVIN S. RIFE (1971)
Treasurer — Schmidt & Ault Paper Co.
Division, St. Regis Paper Co.
York, Pennsylvania

*RALPH M. RITTER (1973)
Treasurer — Ritter Bros., Inc.
Harrisburg, Pennsylvania

†F. ALLEN RUTHERFORD, JR. (1972)
B.S., C.P.A.
Arthur Young
Richmond, Virginia

FREDERICK P. SAMPLE
B.A., M.Ed., D.Ed., Pd.D.
President of the College
Annville, Pennsylvania

*H. JACK SELTZER (1972)
President
Seltzer's Lebanon Bologna Co., Inc.
Palmyra, Pennsylvania

*DANIEL L. SHEARER (1971)
A.B., B.D., S.T.M., D.D.
Superintendent — New Cumberland District
Central Pennsylvania Conference
United Methodist Church
New Cumberland, Pennsylvania

* Elected by Church Conference
** Trustee-at-Large
† Alumni Trustee-at-Large
‡ Faculty Trustee-at-Large

*LAWTON W. SHROYER (1972)
President — Shamokin Dress Co. &
Shroyer's Inc.
Shamokin, Pennsylvania

*PAUL J. SLONAKER (1972)
B.S., B.D.
Pastor
Memorial United Methodist Church
Charles City, Virginia

**HORACE E. SMITH (1971)
A.B., LL.B.
Attorney at Law
York, Pennsylvania

*ARTHUR W. STAMBACH (1972)
B.A., B.D., D.D.
Associate Program Director
Central Pennsylvania Conference
United Methodist Church
Camp Hill, Pennsylvania

*PAUL E. STAMBACH (1971)
A.B., B.D., S.T.M., Ph.D.
Pastor
Otterbein United Methodist Church
Mount Wolf, Pennsylvania

†E. PETER STRICKLER (1971)
B.S.
Strickler Insurance Agency
Lebanon, Pennsylvania

‡C. F. JOSEPH TOM (1971)
B.A., M.A., Ph.D.
Chairman of Department of Economics &
Business Administration; Professor of
Economics & Business Administration
Lebanon Valley College
Annville, Pennsylvania

**WOODROW W. WALTEMYER (1972)

†ELIZABETH K. WEISBURGER (1973)
B.S., Ph.D.
Scientist Director — Biology Branch
National Cancer Institute
Bethesda, Maryland

**SAMUEL K. WENGERT (1972)
B.S.
President — Wengert's Dairy
Lebanon, Pennsylvania

**E. D. WILLIAMS, JR. (1972)
Annville, Pennsylvania

**JOHN L. WORRILLOW (1972)
B.A.
Secretary — Lebanon Steel Foundry
Lebanon, Pennsylvania

**RICHARD P. ZIMMERMAN (1972)
Chairman of the Board
National Valley Bank & Trust Co.
Chambersburg, Pennsylvania

HONORARY TRUSTEES

MRS. BERTHA BROSSMAN BLAIR
President — Denver and Ephrata
Telephone Company
Ephrata, Pennsylvania

PARKE H. LUTZ
Retired Vice-president
Holt, Rinehart & Winston, Inc.
Member — State Board of Education
Denver, Pennsylvania

TRUSTEES EMERITUS

E. N. FUNKHOUSER
A.B., LL.D.
Retired President
Funkhouser Corporation
Hagerstown, Maryland
Member, Board of Directors
Ruberoid Corporation
Baltimore, Maryland

ALBERT WATSON
LL.D.
Retired President
Bowman & Company
Carlisle, Pennsylvania

COMMITTEES OF THE BOARD

Executive Committee:

Frederick P. Sample, Chairman; Paul E. Horn,
Vice Chairman; Mark J. Hostetter, Secretary;
DeWitt M. Essick; Calvin B. Haverstock, Jr.;
Thomas S. May; Warren F. Mentzer; Malcolm
Meyer; Allan W. Mund; Jacob L. Rhodes;
Lawton W. Shroyer; Samuel K. Wengert.

Finance Committee:

Lawton W. Shroyer (1972), Chairman; Allan
W. Mund, Vice Chairman; Samuel K. Wengert,
Treasurer; E. D. Williams, Jr., (1971) Secretary;
Frederick P. Sample; Raymond M. Oberholtzer
(1971); Horace E. Smith (1971); R. P. Zimmer-
man (1971); Hermann W. Kaebnick (1972);
Robert H. Reese (1972); William D. Bryson
(1973); Malcolm Meyer (1973); Melvin S. Rife
(1973); Ralph M. Ritter (1973); E. Peter Strick-
ler (1973); Parke H. Lutz (Honorary).

Faculty Administrative Committee:

Jefferson C. Barnhart, Chairman; DeWitt M.
Essick; Paul E. Horn; Warren F. Mentzer;
Allan W. Mund; Howard A. Neidig; Harold
H. Quickel; Frederick P. Sample; Elizabeth K.
Weisburger.

Auditing Committee:

William D. Bryson, Chairman; Woodrow S.
Dellinger; H. Jack Seltzer.

Building & Grounds Committee:

Melvin S. Rife, Chairman; James H. Leathem;
Karl L. Lockwood; Harold S. Peiffer; Frederick
P. Sample; Samuel K. Wengert; E. D. Wil-
liams, Jr.

Nominating Committee:

Allan W. Mund, Chairman; William D. Bryson;
Paul C. Ehrhart; Alex J. Fehr; F. Allen Ruther-
ford; Daniel L. Shearer.

Committee on Church Support:

Paul C. Ehrhart, Chairman; Samuel C. Boyer,
Mrs. D. Dwight Grove; Thomas W. Guinivan;
John R. Harper; Paul E. Horn; Warren F.
Mentzer; Daniel L. Shearer; Lawton W.
Shroyer; Arthur W. Stambach; C. F. Joseph
Tom.

Committee for Chapel Policy and

Program:

Gerald D. Kauffman, Chairman; Pierce A.
Getz; Thomas W. Guinivan; George R. Mar-
quette; Paul E. Stambach; L. Elbert Wethington;
Allan F. Wolfe; John H. Lynch, Jr. (stu-
dent); David C. Shellenberger (student); Jane
C. Snyder (student).



GENERAL ALUMNI ORGANIZATION

Board of Governors of the Lebanon Valley College Alumni Association — 1970-1972

OFFICERS

President

Harry L. Bricker, Jr. Esq. '50
407 N. Front St., Harrisburg, Pa. 17110

Vice President

Thomas C. Reinhart '58
41 E. Court Boulevard
West Lawn, Reading, Penna. 19609

Executive Secretary

David M. Long '59
Box 97, Mt. Gretna, Penna. 17064

ELECTED MEMBERS TO THE BOARD OF GOVERNORS

David J. Farling '56
420 Strafford Ave., Wayne, Pa. 19087

Lt. Col. John I. Grosnick '53
335 W. Maple Ave., Hershey, Pa. 17033

Peter P. McEvoy '58
Tall Pines Inn, Sewell, N.J. 08080

(Miss) Evelyn Toser '52
1700 N. 3rd St., Harrisburg, Pa. 17102

ALUMNI TRUSTEES

DeWitt M. Essick '34
43 Wabank Rd., Millersville, Pa. 17551

James H. Leathem '32
610 S. 1st Ave., Highland Park, N.J. 08904

F. Allen Rutherford, Jr. '37
8958 Tarrytown Rd., Richmond, Va. 23229

E. Peter Strickler '47
201 Hathaway Pk., Lebanon, Penna. 17042

Dr. Elizabeth K. Weisburger '44
(Mrs. John H.)
5309 McKinley St., Bethesda, Md. 20014

PAST PRESIDENT

Curvin N. Dellinger '38
Box 676, Lebanon, Penna. 17042

REGIONAL ALUMNI CLUBS

ANTHRACITE AREA

President
Dale C. Schimpf '69
606 Center St., Ashland, Penna. 17921

BALTIMORE AREA

President

R. Frederick Crider, Jr. '63
4844 Reisterstown Rd., Baltimore, Md. 21215

BERKS COUNTY

President

Robert A. Gustin '53
1551 Dauphin Ave., Wyomissing, Penna.
19610

DELAWARE VALLEY AREA

President

John W. Metka '60
868 Beechwood Rd., Havertown, Penna.
19083

DERRY AREA

President

Kenneth A. Longenecker '60
125 N. Grant St., Palmyra, Penna. 17078

HARRISBURG AREA

President

Robert R. Shope '63
1701 Walnut St., Camp Hill, Penna. 17011

LANCASTER COUNTY

President

Larry L. Ziegler '57
123 N. Clay St., Manheim, Penna. 18104

LEBANON AREA

President

Ronald E. Drum '58
416 Larkspur Lane, Lebanon, Penna. 17042

LEHIGH VALLEY AREA

Chairman

Clarence C. Aungst '38
3004 Gordon St., Allentown, Penna. 18104

NATIONAL CAPITAL AREA

President

R. Francis Eigenbrode '50
5211 Boydell Ave., Oxon Hill, Md. 20021

NORTH JERSEY AREA

President

Stanley J. Kaczorowski '61
2059 Algonquin Dr., Scotch Plains, N.J.
07076

YANKEE CLUB

President

Richard W. Moller '49
19 Kimball Ave., Wenham, Mass. 01984

YORK COUNTY

President

Donald L. Harper '60
105 E. Main St., Dallastown, Penna. 17313





DEGREES CONFERRED

DEGREES CONFERRED JANUARY 22, 1970

BACHELOR OF ARTS

Reginald Christopher Austin, *English*

Valerie Fine Brown, *English*

Deborah Ann Sherman Groff, *Foreign Languages*

James Arthur Grube, *History*

David Lee Stottlemeyer, *English*

BACHELOR OF SCIENCE

Charles R. Bell, III, *Biology*

George Lyle Morse, *Biology*

James Tilden Frantz, Jr., *Chemistry*

Mary Patricia Horn Nelson, *Music Education*

Eileen Fay Houck, *Music Education*

Gloria Jean Roush, *Music Education*

James Wilmer Meade, III, *Biology*

Glenn Alan Steiner, *Biology*

Carl Edward Miller, *Economics and
Business Administration*

Stanley A. Steiner, *Economics and Business
Administration*

Keeta Kay Wolfe, *Biology*

GRADUATION HONORS

MAGNA CUM LAUDE

Mary Patricia Horn Nelson

CUM LAUDE

Deborah Ann Sherman Groff

Elected to Membership

PHI ALPHA EPSILON

Honorary Scholarship Society

Deborah Ann Sherman Groff

Mary Patricia Horn Nelson

DEGREES CONFERRED MAY 31, 1970

BACHELOR OF ARTS

Robert Joseph Adams, *Sociology*
Marilynn Eileen Ade, *Spanish*
Leona Quilaman Annaguey, *Psychology*
John William Barkow, *History*
John Muma Beardsley, *Political Science*
Pangiotis Bobotas, *Political Science*
Judith Blasingame Bowman, *English*
Larry Alan Bowman, *Political Science*
Carol Lynn Brienz, *English*
William Chester Bucher, *Political Science*
Barry Wallace Burdick, *Psychology*
Jerry Lee Burns, *English*
Michael Robert Burns, *Political Science*
Patrick Syl Caulker, *History*
David Chalmers Clemens, *History*
John Jacob Corson, *Mathematics*
Anthony Martin DeMarco, Jr., *Psychology*
Henry Donald Dinger, *Psychology*
Vesta Boger Fisher, *German*
Sara Suter Foltz, *Mathematics*
Elizabeth Stachow Garner, *Foreign Language*
Mary Ann Gilpatrick, *English*
George Stewart Glen, *Political Science*
Robert Charles Greiner, *Mathematics*
Linda Marie Gunderson, *French*
Margie Lee Hardenstine, *Mathematics*
Roberta Louise Harro, *English*
Kathleen Unangst Helt, *Psychology*
Lloyd Raymond Helt, Jr., *Political Science*
Barry Thomas Henry, *Philosophy*
John Francis Hockley, *Political Science*
Rolanda Mae Hofmann, *Foreign Language*
Thomas Gary Hostetter, *French*
Robert Grover Hunter, Jr., *English*

John Joseph, III, *Political Science*
Barbara Lucille James, *Sociology*
Connie Loretta Jones, *Biology*
Eileen Jeannette Koch, *Music*
Frank Anthony Kuhn, Jr., *Sociology*
Ronald Eugene Landis, *Political Science*
Donna Lee Lapp, *Psychology*
J. Peter Lewin, *Political Science*
Terry Lynn Light, *Psychology*
Craig William Linebaugh, *English*
Michael Anthony Magazino, *Psychology*
Michael Burke Mallon, *Political Science*
William Wesley Moyer, *Psychology*
David Michael Murphy, *Political Science*
Gregory Charles Myers, *Religion*
John Samuel Nornhold, *History*
Sharon Ann O'Brien, *English*
John Calvin Penney, Jr., *Political Science*
Ruth Ann Peterson, *Spanish*
Glenn Alan Phelps, *Political Science*
Philip Michael Reidy, *English*
Leroy Fitzgerald Reist, II, *Psychology*
Maureen Ellen Rice, *English*
Joel Samuel Riedel, *Mathematics*
Lawrence Francis Riedman, *English*
James Melvin Rife, *Psychology*
Daniel Salerno, Jr., *English*
Eugene Kenneth Shaffer, *Sociology*
Paula Christine Stock, *English*
Vivian Eileen Strickler, *English*
Natalie Arnold Wagner, *Psychology*
Susan Marie Willman, *English*
Daniel Jay Womer, *History*
George Edwin Zeiders, Jr., *Sociology*

BACHELOR OF SCIENCE

Bruce Allen Albert, *Biology*
Edith Bonita Baker, *Music Education*
Dorothy Ann Bassett, *Elementary Education*
Carol Lynn Benninger, *Elementary Education*
Zenon N. Berehulak, *Economics and Business Administration*
James Richard Biery, *Biology*
John William Bitner, II, *Economics and Business Administration*
Donald Clair Carter, *Music Education*
Susan Jane Casagrand, *Music Education*
Marsha Ann Church, *Elementary Education*
Victor Kline Coble, *Music Education*
James Lee Cooper, *Physics*

William Russel Coupe, Jr., *Biology*
Joseph James Cranston, *Economics and Business Administration*
Frederic Harold Crowther, *Biology*
Charles Joseph DeBoeser, Jr., *Music Education*
David Arthur Diehl, *Physics*
Lutrell Helen Dorr, *Elementary Education*
John Dottolo, *Economics and Business Administration*
Thomas William Flud, *Music Education*
James Blaze Fraytic, *Biology*
Robert Eugene Frey, Jr., *Music Education*
Sandra Lee George, *Music Education*
Carole Jean Green, *Music Education*

BACHELOR OF SCIENCE

Richard Ellis Grimm, *Economics and Business Administration*
Kathleen Joan Hickerson, *Biology*
Carol Ann Hoeflich, *Elementary Education*
Nancy Jean Hollinger, *Music Education*
Julia Marie Hummer, *Biology*
James Robert Hunsicker, Jr., *Music Education*
Jeffrey Paul Iltis, *Biology*
Carol Ann Irwin, *Elementary Education*
Holly Ann Johnson, *Elementary Education*
William Edward Kline, *Biology*
Robin Allan Kornmeyer, *Economics and Business Administration*
William Thomas MacNew, Jr., *Biology*
Barbara Jane McCann, *Music Education*
Catherine Pauline Merkel, *Elementary Education*
Dorothy Bown Merrill, *Elementary Education*
Joseph Michael Meyers, *Biology*
Barbara Jean Miller, *Elementary Education*
Ernest Henry Miltner, III, *Economics and Business Administration*
Lawrence Scott Morrison, *Biology*
David Eugene Myers, *Music Education*
Katherine Mariana Neijstrom, *Economics and Business Administration*
Joseph Curtis Zimmerman, *Elementary Education*

Anthony Terence Nitka, *Economics and Business Administration*
Elaine Veronica Peters, *Elementary Education*
Ruth Ann Pfeil, *Elementary Education*
Margaret Ann Rasmussen, *Music Education*
Patrick Michael Reb, *Economics and Business Administration*
Gregory Everett Scott, *Biology*
Robert Calhoun Sherman, *Music Education*
Eric Hale Shipley, *Actuarial Science*
Susan Jean Shue, *Biology*
Janice Jean Shuster, *Biology*
Charles Michael Smith, *Elementary Education*
Richard Michael Snell, *Economics and Business Administration*
Susan Kay Stambach, *Elementary Education*
Nancy Ann Swenson, *Biology*
Gergory Monroe Thomas, *Biology*
Michael Paul Waltz, *Biology*
Bruce Trimmer Welsh, *Biology*
Patricia Susan Werrell, *Music Education*
Thomas Eugene Whittle, *Physics*
William Walter Wilks, *Economics and Business Administration*
Jo Ann Yeagley, *Elementary Education*

BACHELOR OF SCIENCE IN CHEMISTRY

Morris Shepard Cupp
Barry Bernard Dobinsky
Jensen Humpston Groff, Jr.
Robert Charles Helt

Ronald Wright Miller
Henry Dale Schreiber
John Edward Schreiber
Susan Jeanne Shedenhelm

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

Dale Ann Carpenter

Lucille Anne Koch Shearer
Susan Jean Stark

BACHELOR OF SCIENCE IN NURSING

Kathleen Ann Bryniarski
Judy Lee Creeger

Helen Louise Hawryluk
Susan Jones Sink

GRADUATION HONORS

SUMMA CUM LAUDE

Carol Ann Irwin
Henry Dale Schreiber

Nancy Ann Swenson
Natalie Arnold Wagner

MAGNA CUM LAUDE

Rolanda Mae Hofmann
Thomas Gary Hostetter

Barbara Jean Miller
Lucille Anne Koch Shearer
Daniel Jay Womer

CUM LAUDE

Mary Ann Gilpatrick
Eileen Jeannette Koch
Craig William Linebaugh
Dorothy Bown Merrill

David Eugene Myers
Elaine Veronica Peters
Glenn Alan Phelps
Patricia Susan Werrell

Elected to Membership

PHI ALPHA EPSILON

Honorary Scholarship Society

Mary Ann Gilpatrick
Rolanda Mae Hofmann
Thomas Gary Hostetter
Carol Ann Irwin
Eileen Jeannette Koch
Craig William Linebaugh
Dorothy Bown Merrill
Barbara Jean Miller

David Eugene Myers
Elaine Veronica Peters
Glenn Alan Phelps
Henry Dale Schreiber
Lucille Ann Koch Shearer
Nancy Ann Swenson
Natalie Arnold Wagner
Patricia Susan Werrell

Daniel Jay Womer

COLLEGE HONORS

Patricia Susan Werrell

DEPARTMENTAL HONORS

Henry Dale Schreiber	In Chemistry
John William Bitner, Jr.	In Economics
Thomas Gary Hostetter	In French
Patricia Susan Werrell	In Music
William Wesley Moyer	In Psychology
Natalie Arnold Wagner	In Psychology

HONORARY DEGREES

Conferred May 31, 1970

Grantas E. Hoopert	Doctor of Divinity
Richard D. Magee	Doctor of Pedagogy
Harry K. Miller, Jr.	Doctor of Pedagogy
Chauncey J. Varner	Doctor of Divinity

DEGREES CONFERRED AUGUST 7, 1970

BACHELOR OF ARTS

Jan William Edwards, *Sociology*
John James Gallo, *English*
Beverly Ann Houser, *English*

Nancie Jane Hummel, *Sociology*
Carol Jean May, *Psychology*
Nancy Louise Thayer, *Psychology*

Paul Leroy Werner, *Sociology*

BACHELOR OF SCIENCE

Malcolm Brian Ahrens, *Biology*
Robert Andrews, *Chemistry*
John Henry Blauch, *Music Education*
Ronald Gregory Books, *Music Education*
Carol Jane Peters, *Elementary Education*

Michael Saltzburg, *Economics and Business Administration*
Thomas Michael Svirsko, *Elementary Education*
Winifred Sara Weaver, *Music Education*
Dean Raymond Witt, *Chemistry*

BACHELOR OF SCIENCE IN CHEMISTRY

Neal Sener

Judith Allyn Hunter

BACHELOR OF SCIENCE IN NURSING

Gloria Foltz Steinruck



STUDENT AWARDS, 1970

SENIOR AWARDS

PHI BETA KAPPA PRIZE —

Natalie Arnold Wagner, Hershey

Established in 1968 by the Phi Beta Kappa Faculty Group of Lebanon Valley College. Awarded to a senior who best measures up to the standards of scholarship and character set by the National Society.

BAISH MEMORIAL HISTORY AWARD —

Daniel Jay Womer, Lebanon

Established in 1947 in memory of Henry H. Baish by his wife and daughter, Margaret. Awarded to a member of the senior class majoring in history; selected by the Chairman of the Department of History and Political Science on the basis of merit.

ANDREW BENDER MEMORIAL CHEMISTRY AWARD —

Henry Dale Schreiber, Lebanon

Established in 1952 by the Chemistry Club of the College and alumni. Awarded to an outstanding senior majoring in chemistry.

THE SALOME WINGATE SANDERS AWARD IN MUSIC EDUCATION —

Mary Patricia Horn Nelson, York

Established in 1957 by Robert Bray Wingate, Class of 1948, in honor of his grandmother, Salome Wingate Sanders. Given annually to the senior who exemplifies excellent character, potential usefulness, high academic standing, and who evidences loyalty to his Alma Mater.

THE DAVID E. LONG MEMORIAL MINISTERIAL AWARD —

George Edwin Zeiders, Jr., Annville

Established in 1956 by the Reverend Abraham M. Long, Class of 1917, in memory of his father, the Reverend David E. Long, Class of 1900. This award is given annually to a student preparing for the ministry, selected by the members of the Department of Religion on the basis of merit.

PI GAMMA MU SCHOLARSHIP AWARD —

Glenn Alan Phelps, Ellicott City, Md.

Authorized by Pi Gamma Mu, Incorporated, the National Social Science Honor Society, and established at Lebanon Valley College in 1948 by the Pennsylvania Nu Chapter of the Society for the promotion of scholarship in the Social Sciences. Granted upon graduation to a senior member of Pennsylvania Nu Chapter, selected by the Chapter's Executive Committee, for outstanding scholarship in economics, government, history, or sociology, and high proficiency or other distinction attained in pursuit of same during his or her years at the College.

THE PENNSYLVANIA INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS AWARD —

John William Bitner, Jr., Jersey Shore

Awarded to a senior on the basis of accounting grades and qualities of leadership on campus.

ACHIEVEMENT SCHOLARSHIP AWARD IN ECONOMICS AND BUSINESS ADMINISTRATION —

John William Bitner, Jr., Jersey Shore

Awarded to a student majoring in economics and business administration for outstanding scholarship in economics and business administration and for good campus citizenship. Established in 1965 by the People's National Bank of Lebanon.

THE WALLACE-LIGHT-WINGATE AWARD IN LIBERAL ARTS —

Natalie Arnold Wagner, Hershey

Established in 1967 by Robert Bray Wingate, Class of 1948, in honor of Dr. P. A. W. Wallace and Dr. V. Earl Light. Given annually to the senior student who best exemplifies the aims of liberal arts education, namely, a broad interest and training in both the arts and sciences.

THE HARRISBURG CHAPTER OF THE NATIONAL ASSOCIATION OF ACCOUNTANTS AWARD —

John William Bitner, Jr., Jersey Shore

Granted to the student demonstrating outstanding achievement in the introductory accounting course. The award consists of a student subscription to *NAA Bulletin* and Research Reports of the NAA.

SOUTHEASTERN PENNSYLVANIA SECTION, AMERICAN CHEMICAL SOCIETY AWARD —

Henry Dale Schreiber, Lebanon

Presented to the outstanding senior chemistry major in each of the colleges in the area based on demonstrated proficiency in chemistry. The award consists of a book entitled *A German-English Dictionary for Chemists*.

THE M. CLAUDE ROSENBERRY MEMORIAL AWARD —

Nancy Jean Hollinger, Lancaster

Given to an outstanding senior in music education who is entering the teaching field in the Commonwealth of Pennsylvania, and who has demonstrated unusual ability and promise as a potential teacher.

B'NAI B'RITH AMERICANISM AWARD —

James Arthur Grube, Summit, N.J.

Awarded to a member of the graduating class who throughout the year by his actions best exemplified the philosophies of our American Democracy — those precepts of tolerance — brotherhood, citizenship, respect for his fellow students regardless of race, color or creed; one who abhors prejudice and discrimination and who by his very actions has earned the respect and admiration of his fellow students by putting into practice the very tenets taught to all of us in our institutions of learning for the sole purpose of making this, our country, a better land in which to live.

GOVERNOR JAMES H. DUFF AWARD —

William Hartley Allen, Flourtown

Established in 1960 by Governor James H. Duff (Pennsylvania) to promote interest in state government. Awarded annually to a senior who by participation in campus government or in debating demonstrates a facility and interest in government service.

THE SIGMA ALPHA IOTA HONOR CERTIFICATE AWARD —

Mary Patricia Horn Nelson, York

Awarded to the senior music major with the highest scholastic average over her four years of study. The award consists of an honor certificate.

OUTSTANDING SENIOR OF DELTA ALPHA CHAPTER, SAI —

Patricia Susan Werrell, Madison, N.J.

Awarded by the Philadelphia Alumnae Chapter of Sigma Alpha Iota to the girl selected by her sister members as the outstanding senior of Delta Alpha Chapter. The award consists of a life subscription to *Pan Pipes*, the fraternity magazine.

THE CHUCK MASTON AWARD —*

Eugene Kenneth Shaffer, Lebanon

Established in 1952 by the Knights of the Valley. This award is made annually to a male member of a varsity team who has displayed the exceptional qualities of sportsmanship, leadership, cooperation, and spirit.

THE JOHN F. ZOLA ATHLETIC AWARD —*

George Lyle Morse, North Beach, Md.

Established in 1962 by the L V Varsity Club. To be awarded to the football player showing qualities of desire, attitude, sportsmanship, and initiative — the qualities that John displayed. This award is open to members of all classes and the winner is elected by the members of the football team.

CHILDHOOD EDUCATION CLUB AWARD —

Carol Ann Irwin, Norristown

An award to an outstanding student majoring in elementary education who has demonstrated qualities of character, scholarship, leadership, and service, and who has successfully completed one semester of student teaching.

FOREIGN LANGUAGE ACHIEVEMENT AWARDS —

French: Daniel Jay Womer, Lebanon

Thomas Gary Hostetter, Palmyra

WALL STREET JOURNAL AWARD —

John William Bitner, Jr., Jersey Shore

Established in 1948 by *The Wall Street Journal* for distinguished work in the Department of Economics and Business Administration. The award consists of a silver medal and a year's subscription to *The Wall Street Journal*.

WHO'S WHO IN AMERICAN UNIVERSITIES AND COLLEGES —

William Hartley Allen, Flourtown

John Muma Beardsley, Warren, N.J.

Carol Lynn Benninger, Drums

John William Bitner, Jr., Jersey Shore

Robert Charles Greiner, Elizabethtown

James Arthur Grube, Summit, N.J.

Rolanda Mae Hofmann, Waynesboro

Mary Patricia Horn Nelson, York

Thomas Gary Hostetter, Palmyra

Eileen Faye Houck, New Holland

Carol Ann Irwin, Norristown

Craig William Linebaugh, York

David Eugene Myers, East Berlin

Gregory Charles Myers, Red Lion

Glenn Alan Phelps, Ellicott City, Md.

Gregory Everett Scott, New York, N.Y.

Susan Jean Shue, Palmyra

Nancy Ann Swenson, Hohokus, N.J.

Recognition in *Who's Who Among Students in American Universities and Colleges* is awarded annually on the basis of grades, personal character, and campus leadership. Final selection is made by the publishers.

* Not always awarded to seniors.

GENERAL AWARDS

ALUMNI SCHOLARSHIP AWARDS —

Georgene Marie Carmany, Harrisburg
Clair Lynn Fieldler, Neptune, N.J.
Deborah Lee Meima, Midland Park, N.J.
Priscilla Lenore Roth, Sinking Spring

These awards, authorized by the Lebanon Valley College Alumni Association in June, 1953, were established with the resources of the alumni Life Membership Fund. These scholarships are granted annually to deserving students on the basis of character, academic achievement, and need; the recipients of these scholarships to be designated Alumni Scholars.

MAUD P. LAUGHLIN SOCIAL SCIENCE SCHOLARSHIP AWARD —

Thomas Bruce Davis, Hershey

Awarded in recognition of excellence in scholarship, academic progress, campus citizenship, service to the institution, participation in extra-curricular activities.

JOHN F. ZOLA MEMORIAL SCHOLARSHIP AWARD —

Charles Arthur Rothermel, Chester

Awarded by the Knights of the Valley to a full-time student, on the basis of character and financial need.

THE BIOLOGICAL SCHOLARSHIP AWARD —

Connie Jean Brocious, Timblin

Established in 1918 by alumni and friends. Awarded annually by the Chairman of the Department of Biology on the basis of merit.

MEDICAL SCHOLARSHIP AWARD —

Marianne L. Cake, Hershey

Established in 1918 by alumni and friends. Awarded annually on the basis of merit.

PHI LAMBDA SIGMA SCHOLARSHIP AWARD —

Not awarded in 1970

Established in 1962 by Phi Lambda Sigma and awarded on the bases of need, academic achievement, and outstanding service to the organization.

BRADFORD CLIFFORD ALBAN MEMORIAL SCHOLARSHIP —

Not awarded in 1970

Established in 1964 by Phi Lambda Sigma and awarded on the basis of need, academic achievement, and contribution to the goals of the College.

THE WOMAN'S CLUB OF LEBANON SCHOLARSHIP AWARD —

Judith Louise Fonken, Lebanon

An award given annually by the Woman's Club of Lebanon to a person from Lebanon County enrolled as a full-time student; the choice to be based on financial need, scholarship, and character.

ALICE EVERE BURTNER MEMORIAL AWARD —

Donald Wayne Samples, Lewisberry

Established in 1935 in memory of Mrs. Alice Evers Burtner, Class of 1883, by Daniel E. Burtner, Samuel J. Evers, and Evers Burtner. Awarded to an outstanding member of the Junior Class selected by the faculty on the basis of scholarship, character, social promise, and need.

DELTA ALPHA CHAPTER OF SIGMA ALPHA IOTA AWARD —

Phyllis Caroline Bacher, Drexel Hill

Established in 1963 in memory of Marcia M. Pickwell, instructor in piano. Given annually to a sophomore or junior woman student majoring in music; selected on the basis of need, musicianship, and future promise in her chosen profession.

STUDENT PENNSYLVANIA STATE EDUCATION ASSOCIATION AWARD —

Not awarded in 1970

Established in 1967 by the local chapter of the Student Pennsylvania State Education Association. Given to a member on the bases of service to the organization and portrayal of qualities necessary for successful teaching.

SOPHOMORE ACHIEVEMENT AWARD IN CHEMISTRY —

Elizabeth Annette Robinson, Mechanicsburg

Awarded to a member of the sophomore class majoring in chemistry who has demonstrated outstanding work in the field of chemistry. This award was originated by the Student Affiliate Chapter of the American Chemical Society.

SOPHOMORE PRIZE IN ENGLISH LITERATURE —

Carol Marie Koch, Havertown

Ruth Anne Rehrig, Hellertown

Susan Carol Van Houten, Avon by the Sea, N.J.

Established by the Class of 1928. Awarded to the three best students in Sophomore English, taking into account scholarship, originality, and progress.

PHYSICS ACHIEVEMENT AWARD —

Robert Charles Shipe, Harrisburg

Awarded to the outstanding student of the freshman or sophomore class in the first year physics course. The award consists of a copy of the *Handbook of Chemistry and Physics*.

THE MAX F. LEHMAN MEMORIAL MATHEMATICS PRIZE —

Roger Allen Heckman, Mercersburg

Established by the Class of 1907, in memory of a classmate. Awarded to that member of the freshman class who shall have attained the highest standing in mathematics.

FLORENCE WOLF KNAUSS MEMORIAL AWARD IN MUSIC —

Cynthia Drout, Lancaster

Awarded annually to the freshman girl who displays the following basic qualities: (1) musicianship with performing ability; (2) reasonably high academic standing; (3) cooperation, dependability, and loyalty to the College.

MATHEMATICS ACHIEVEMENT AWARD —

Thomas Emery Beresford, Newtown

Claire Lynn Fiedler, Neptune, N.J.

Becky Diane Huber, Trumbauersville

Awarded to a student in calculus on the bases of achievement, progress and industry. The award consists of a copy of the new edition of the Chemical Rubber Company's book on *Standard Mathematics Tables*.

FRESHMAN ACHIEVEMENT AWARD IN CHEMISTRY —

George Joseph Casey, Jr., Lancaster

Roger Allen Heckman, Mercersburg

Awarded to a member of the freshman class majoring in chemistry who has demonstrated outstanding work in the field of chemistry. This award was originated by the Student Affiliate Chapter of the American Chemical Society.

SIGMA ALPHA IOTA — THE DEAN'S HONOR AWARD —

Louise Bauman Waring, Gilbertville

Awarded to a member of Delta Alpha Chapter on the basis of scholarship, musicianship and fraternity service and in recognition of her outstanding achievement and contribution to the fraternity.

SIGMA ALPHA IOTA SCHOLARSHIP AWARD —

Linda Suzanne Ammlung, Clifton Heights

Awarded annually by the Philadelphia Alumnae Chapter of Sigma Alpha Iota to a junior member of Delta Alpha Chapter on the basis of talent and need.

PICKWELL MEMORIAL MUSIC AWARD —

Marilyn Lee Whitmire, Williamsport

Established in 1963 in memory of Marcia M. Pickwell, faculty member of the Department of Music. Awarded annually to a junior music major who has demonstrated outstanding pianistic ability and promise.

ACHIEVEMENT SCHOLARSHIP AWARD IN ECONOMICS AND BUSINESS ADMINISTRATION —

Nancy Faye McLean, Pine Grove

Michael Saltzburg, Overbrook Hills

Awarded to students majoring in economics and business administration for outstanding scholarship in economics and business administration and for good campus citizenship. Established in 1965 by the People's National Bank of Lebanon, Pennsylvania.

LA VIE COLLEGIENNE AWARD —

Dale Edward Fetzer, Jr., Media

Robert William Johnston, Canonsburg

The *LA VIE COLLEGIENNE* Award, established in 1964 by the Rev. Bruce C. Souders '44, a former editor of *LA VIE COLLEGIENNE*, seeks to acknowledge the contribution of students to good campus public relations through leadership and responsibility in the publication of the campus newspaper. It is awarded annually to an upperclassman and to a freshman on the staff of the newspaper.

AMERICAN ASSOCIATION OF TEACHERS OF SPANISH AND PORTUGUESE AWARD —

Lois Johns Keiter, Palmyra

Linda Maureen Shaw, Abington, Md.

Established in 1968, this medal is awarded (according to the American Association of Teachers of Spanish and Portuguese) by the Department of Foreign Languages, to a Spanish student who in a minimum of two year's regular work has achieved real excellence.

FOREIGN LANGUAGE ACHIEVEMENT AWARDS —

French: Shirley Cline Baker, Palmyra

Conniliu N. Civler, York

Ruth Ellen McAllister, East Northport, N.Y.

German: Christine Susan Becker, Woodbury, N.J.

Cynthia Drout, Lancaster

Nancy Ruth Hostetter, Harrisburg

Peter Nelson Pyles, Lebanon

Robert William Johnston, Canonsburg

Spanish: Glenn David Deaven, Jonestown

Lynn Beth Merluzzi, Lehighton

Evelyn Grace Nottingham, Carlisle

GERMAINE BENEDICTUS MONTEUX MUSIC AWARD

Dorothy Ellen Fine, Annville

Established in 1968 by Denise Monteux Lanese in memory of her mother, Germaine Benedictus Monteux. This award is given annually to a sophomore or junior student majoring in music or music education as designated by the Department of Music on the bases of outstanding personal attitudes, effort, and progress in musical development, and need.

CORRESPONDENCE DIRECTORY

TO FACILITATE PROMPT ATTENTION, INQUIRIES SHOULD BE ADDRESSED AS INDICATED BELOW:

Matters of General College Interest	President
Academic Program	Vice President and Dean of the College
Admissions	Director of Admissions
Alumni Interests	Director of Alumni Relations
Business Matters, Expenses	Vice President and Controller
Campus Conferences	Coordinator of Conferences
Development and Bequests	Director of Development
Evening and Summer Schools	Assistant Dean of the College
Financial Aid to Students	Financial Aid Officer
Placement:	
Teacher Placement	Director of Teacher Placement
Business and Industrial	Director of Industrial Placement
Publication and Publicity	Director of Public Relations
Religious Activities	Chaplain
Student Interests	Dean of Men or Dean of Women
Transcripts, Academic Reports	Registrar

ADDRESS ALL MAIL TO:

Lebanon Valley College
Annville, Pennsylvania 17003

DIRECT ALL TELEPHONE CALLS TO:

Lebanon Valley College
Annville, Pennsylvania
Area Code 717 Local Number 867-3561

REGULAR OFFICE HOURS FOR TRANSACTING BUSINESS:

College office hours are from 8:30 a.m. to 12:00 noon and 1:00 p.m. to 5:00 p.m. Monday through Friday. Members of the staff are available for interviews at other times if appointments are made in advance.

Index

Absence	52	Business Administration, Courses in	69
Academic Classification	51	Business Administration, Outline of Course	34
Academic Dishonesty	52	Business Management	122
Academic Offices	113		
Academic Probation	53		
Academic Programs and Procedures	26	Campus Employment	25
Academic Procedures	50	Campus, Buildings and Equipment	14
Academic Program	26	Campus Organizations	57
Academic Requirements	27	Carnegie Lounge	15
Accreditation	11	Cars, Student Rules Concerning	52
Activities, Student	54	Certification, Requirements, Public School Teachers.....	36-37, 44-46
Actuarial Science, Outline of Program	30	Change of Registration	50
Actuarial Science, Plan of Study in	89	Chapel Building	14
Administration Building	14	Chapel Choir	57, 96
Administrative Staff	119	Chapel-Convocation Program	55
Administrative Regulations	52	Chemistry, Courses in	65
Admissions Deposit	23	Chemistry, Outline of Course	32
Admissions, Requirements and Information	21	Class Attendance	52
Advanced Placement	22	Clubs, Departmental	57
Advisers, Faculty	50	College Bookstore	15
Aid, Student	25	College Calendar, 1970-1971	3
Aims of the College	11	College Calendar, 1971-1972	5
Alpha Phi Omega	57	College Center	15
Alpha Psi Omega	57	College Chorus	96
Alumni Office	15	College Dining Hall	15
Alumni Organization	128	College Entrance Examination Board Tests	21
Anthropology, Courses in	110	College History	9
Application Fee	23	College Honors Program	47
Application for Admission	21	College Profile	8
Art, Courses in	62	College Relations Area	121
Assistant to the President	119	Commencement, Attendance at	29
Assistants, Student Departmental	118	Committees, Board of Trustees	127
Athletics	59	Committees, Faculty	123
Athletics, Aims and Objectives	59	Computer Programming	66
Attendance, Chapel	52	Concert Choir	96
Attendance, Class	52	Concurrent Courses	50
Auditing Courses	50	Contingency Deposit	23
Auditions, Department of Music	22	Cooperative Programs	38
Auxiliary Schools	48	Cooperating Training Teachers	118
Auxiliary School Fees	23	Correspondence Directory	140
Award Conferred, 1970	134	Counseling and Placement	51
		Course Credit	61
Baccalaureate, Attendance at	29	Course Numbering System	61
Balmer Showers Lectures	56	Courses of Study by Departments	60
Band, All-Girl	96	Credits Earned at Another Institution	22
Band, Symphonic	96	Cross Country	59
Basketball	59	Cultural Opportunities	57
Biology, Courses in	63	Cum Laude Graduates, 1970	132
Biology, Marine	49		
Board Fees	23	Degrees Conferred, 1970	131
Board of Trustees	124	Degrees, Requirements for	27
Board of Trustees, Committees	127	Delta Tau Chi	56
Board of Trustees, Officers	124	Denominational Organizations	56
Buildings and Equipment	14	Departmental Assistants	118

Departmental Clubs	57
Departmental Honors, 1970	133
Departments, Courses of Study by	60
Development Office	15
Directories	112
Discontinuance of Courses	50
Dismissal	53
Distribution Requirements	29
Dramatic Organizations	57
 Economics and Business Administration, Courses in	67
Economics and Business Administration, Outline of Course	34
Education, Courses in	71
Elementary Education, Courses in	72
Elementary Education, Outline of Course	36
Elementary Education — Subject Matter Requirements	44
Emeriti Professors	113
Employment	25
Endowment Funds	16
Engineering, Cooperative Program, Outline of Course	38
Engineering, Plan of Study in	89
English, Courses in	75
Engle Hall	15
Enrollment Statistics	19
Entrance Requirements	21
Evening Classes	48
Examinations	27
Examination, College Entrance Board	21
Expenses	23
Extension Courses	49
Extra-Curricular Activities	54
 Facilities	14
Faculty	113
Faculty Advisers	50
Faculty Committees	123
Fees and Deposits	23
Financial Aid	25
Football	59
Foreign Languages, Courses in	78
Foreign Language Requirements	29
Forestry, Cooperative Program, Outline of Course	38
French Club	57
French, Courses in	79
Freshman Orientation	50
Furnishings, Residence Halls	24
 General Alumni Organization	128
General Requirements	29
 Geography, Course in	81
Geology, Course in	81
German, Courses in	79
Golf	59
Gossard Memorial Library	14
Governing Bodies	58
Grade Point Average	28
Grading and Quality Points, System of	28
Grading, Pass-Fail	28
Green Blotter Club	57
Greek, Courses in	80
Gymnasium	15
 Hazing	52
Health Reports	21
Health Services	15, 122
History and Political Science, Courses in	83
History, College	9
History, Courses in	83
Honorary Degrees, 1970	133
Honorary Organizations	57
Honors Program	47
Hours, Limit of Credit	51
 Independent Study	48
Independent Study, Chemistry	65
Independent Study, Economics	67
Independent Study, Education	71
Independent Study, English	75
Independent Study, Foreign Languages	78
Independent Study, History	83
Independent Study, Political Science	86
Independent Study, Mathematics	88
Independent Study, Music and Music Education	92
Independent Study, Philosophy	99
Independent Study, Physics	101
Independent Study, Psychology	104
Independent Study, Religion	107
Independent Study, Sociology	109
Information for Prospective Students	20
Infirmary	15
Institutional Rules	58
Instructors	117
Insurance Plan and Fee	23
Intercollegiate Athletic Programs	59
Interdisciplinary Course	87
Investment Club	57
 Junior Year Abroad	49
 Laboratory Fees and Deposits	23
Lacrosse	59
Laughlin Hall	15
La Vie Collegienne	57

Library Facilities	14	Physics, Courses in	101
Limit of Hours	51	Placement	51
Loans	25	Political Science, Courses in	85
Location and Environment	12	Practice Teaching	37, 43, 44-46, 73-74, 95
L.V. Varsity Club	59	Pre-Dental Curriculum	39
Lynch Memorial Building	15	Pre-Medical Curriculum	39
 		Presidents of the College	10
Major Requirements	27	Presidential Scholarships	25
Marine Biology Program	49	Pre-Veterinary Curriculum	39
Map, Campus	13	Principles and Objectives	11
Map, Mileage	12	Private Music Instruction	97
Mathematical Physics, Plan of Study in	89	Prizes Awarded, 1970	134
Mathematics, Courses in	88	Probation, Academic	53
Meals	25	Procedures, Academic	50
Medical Examinations	21	PROJECT	56
Medical Technology, Cooperative Program, Outline of Course	39	Professional Curricula, Special Plans for	30
Music, Conducting	97	Professors	114
Music, Courses in	91	Professors, Assistant	115
Music Education, Courses in	91	Professors, Associate	114
Music Education, Outline of Course	42	Professors, Emeriti	113
Music Fees	23	Psychology, Courses in	104
Music, Instrumental Courses	95	Public Relations	15
Music, History and Appreciation of	97	Public School Certification Requirements	36-37, 44-46
Music, Methods and Materials	94	Public School Music, Outline of Course	42
Music, Outline of Course	40	Publications, Student	57
Music, Preparatory Courses	97	 	
Music, Special Requirements	91	Quality Points, System of	28
Music, Student Teaching	95	Quittapahilla, The	57
Music, Theory of	92	 	
Musical Instruction, Individual	97	Readmission	53
Musical Organizations	96	Recitals, Student	98
 		Recognition Groups	57
Night Classes	49	Recreation	59
Nursing, Cooperative Program, Outline of Course	39	Refund Policy	24
 		Registration	50
Objectives of the College	11	Regulations, Administrative	52
Office of President	119	Religion and Life Lectureships	56
Officers, Board of Trustees	124	Religion, Courses in	107
Organ Rental Fees	23	Religious Emphasis Week	56
Organs, Specifications of	98	Religious Life	55
Orientation	50	Repetition of Courses	50
 		Requirements, Admission	21
Parking, Student Rules on	52	Requirements, Degrees	27
Part-Time Student Fees	23	Residence Halls	15
Payment of Fees and Deposits	23	Residence Halls, Regulations	24
Philosophy, Courses in	99	Residence Requirement	27
Physical Education, Courses in	82	Rules, Institutional	58
Physical Education, Requirement	29	Russian, Courses in	80
Physical Examinations	21	 	
		Saylor Hall	15
		Schedules, Arrangement of	51

Scholarships	25	Summer Session	48
Scholarship Funds	17	Sunday Church Services	56
Science Hall	15	Support and Control	16
Secondary Education, Courses in	73	Suspension	53
Secondary Education — Subject Matter		Symphonic Band	96
Requirements	45	Symphony Orchestra	57, 96
Semester Hours	27		
Semester Hour Limitations	51		
Social Organizations	57		
Sociology, Courses in	109	Teacher Placement Bureau	15
South Hall	15	Teaching Aides	118
Spanish, Courses in	80	Teaching, Certification Requirements ..	36-37, 44-46
Special Plans of Study	30	Teaching Interns	118
Statistics, Plan of Study	88	Track	59
Student Activities	54	Transcripts	52
Student Affairs	120	Transfer Credit	22
Student Finances	23	Transfer Students	29
Student Awards, 1970	134	Trustees, Board of	124
Student Departmental Assistants	118	University Center at Harrisburg	49
Student Government	58		
Student Recitals	98		
Student Teaching	37, 43, 44-46, 73-74, 95	Withdrawal	53
Student Teaching Fees	23	Withdrawal Refunds	24
		Wrestling	59

